

FY2006

FORT DRUM
New York
INSTALLATION ACTION PLAN

FINAL as of August 2005

Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multi-year Installation Restoration Program for an installation. The plan will identify environmental cleanup requirements at each site or area of concern, and propose a comprehensive approach, with associated costs and schedules, to conduct investigations and necessary remedial actions.

In an effort to coordinate planning information between the restoration manager, U.S. Army Environmental Center (USAEC), Fort Drum, executing agencies, regulatory agencies, and the public, an IAP was completed. The IAP is used to track requirements, schedules, and tentative budgets for all major Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

The following agencies contributed to the formulation and completion of this 2005 Installation Action Plan for Fort Drum during a planning workshop held on 17 and 18 May 2005:

Engineering and Environment, Inc.

Fort Drum

New York State Department of Environmental Conservation

US Army Corps of Engineers, Baltimore District

US Army Environmental Center

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Acronyms & Abbreviations

AAFES	Army Air Force Exchange Service	ECS	Equipment Concentration Site
AAS	Aquifer Air Sparging	EOD	Explosive Ordnance Disposal
ACSIM	Assistant Chief of Staff for Installation Management	EPR	Environmental Program Requirement
AEDB-R	Army Environmental Database, Restoration	ER,A	Environmental Restoration, Army
AMSA	Area Maintenance Support Activity	FS	Feasibility Study
ASL	Airfield Sanitary Landfill	FTD	Fort Drum
AST	Aboveground Storage Tank	FTS	Focused Technical Selection
BTEX	Benzene, Toluene, Ethylbenzene and Xylene	FY	Fiscal Year
BV	Bioventing	gpm	gallons per minute
CC	Construction Cost	GW	groundwater
CCAR	Comprehensive Contaminant Assessment Report	GWT	Groundwater Treatment
CENAB	U.S. Army Corps of Engineers, Baltimore District	ha	Hectares
CENAN	U.S. Army Corps of Engineers, New York District	HW	Hazardous Waste
CMD	Corrective Measure Design	IAP	Installation Action Plan
CMI(C)	Corrective Measure Investigation (Construction)	ICMD	Interim Corrective Measure Design
CMI(O)	Corrective Measure Investigation (Operation)	ICMI	Interim Corrective Measure Investigation
CMS	Corrective Measure Study	ICMS	Interim Corrective Measure Study
COE	Corps of Engineers	IMA	Installation Management Agency
CRP	Community Relations Plan	IRA	Interim Remedial Action
CS	Confirmatory Study	IRP	Installation Restoration Program
CSMS	Combined Support Maintenance Shop	KM	Kilometers
CTC	Cost-to-complete	LTM	Long Term Management
cy	cubic yards	LTO	Long Term Operation
DA	Department of Army	MACOM	Major Command
DD	Decision Document	MATES	Mobilization and Training Equipment Site
DDD	Dichlorodiphenyldichloroethane	MMRP	Military Munitions Response Program
DDE	Dichlorodiphenyldichloroethene	MNA	Monitored Natural Attenuation
DDT	Dichlorodiphenyltrichloroethane	MOD	Modification
DERF	Defense Environmental Restoration Fund	MOGAS	Motor Gasoline
DES	Design	MPE	Multi-phase Extraction
DOD	Department of Defense	MTBE	Methyl Tertiary Butyl Ether
DOL	Directorate of Logistics	MW	Monitoring Well
DPE	Dual Phase Extraction	NE	Not Evaluated
DRMO	Defense Reutilization and Marketing Office	NFA	No Further Action
		NG	National Guard
		NOV	Notice of Violation
		NPL	National Priorities List
		NYANG	New York Air National Guard
		NYS	New York Standards

Acronyms & Abbreviations

NYSDEC	New York State Department of Environmental Conservation	SPDES	State Pollution Discharge Elimination System
O&M	Operations & Maintenance	SSO	Storm Sewer Outfall
ORC	Oxygen Release Compound	SVE	Soil Vapor Extraction
OSJA	Office of Staff Judge Advocate	SVOC	Semi-Volatile Organic Compounds
OSL	Old Sanitary Landfill	SW	Spring Well
PA	Preliminary AssessmentPAH	SWMU	Solid Waste Management Unit
	Polycyclic Aromatic Hydrocarbons	TAPP	Technical Assistance Public Participation
PCB	Polychlorinated Biphenyls	TCE	Trichloroethylene
PCE	Perchloroethane	TFW	Tactical Fighter Wing
PIRP	Public Involvement Response Plan	TRC	Technical Review Committee
POL	Petroleum, Oil and Lubricants	USACE	U.S. Army Corps of Engineers
POM	Program Objective Memorandum (budget)	USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
PW	Public Works	USAEC	U.S. Army Environmental Center
PY	Prior Year	USAEHA	U.S. Army Environmental Hygiene Agency (currently named USACHPPM)
RA	Remedial Action	USAF	U.S. Air Force
RAB	Restoration Advisory Board	USATHAMA	U.S. Army Toxic and Hazardous Material Agency (currently named USAEC)
RAC	Remedial Action - Construction	USEPA	U.S. Environmental Protection Agency
RAO	Remedial Action - Operation	UST	Underground Storage Tank
RC	Response Complete	UTES	Unit Training Equipment Site
RCRA	Resource Conservation and Recovery Act	UVB	Air Sparging/bioventing
RD	Remedial Design	UXO	Unexploded Ordnance
REM	Removal	VOC	Volatile Organic Compounds
RFA	RCRA Facility Assessment		
RFI	RCRA Facility Investigation		
RI	Remedial Investigation		
RIP	Remedy in Place		
ROD	Record of Decision		
RRSE	Relative Risk Site Evaluation		
S&A	Supervision and Administration		
S&R	Supervision and Review		
SI	Site Inspection		

INSTALLATION LOCALE: Fort Drum is located in northern New York State approximately 16 kilometers (km) northeast of Watertown, in Jefferson and Lewis Counties, and bordering St. Lawrence County. Seven small towns border the installation, with populations of ~2,000 to 8,000 each. Approximately 31,000 military personnel, their dependents, and civilian employees reside/work at Fort Drum on a daily basis. Fort Drum is roughly rectangular in shape, measuring 10 km in width and 32 km in length and contains 43,410 hectares (ha), or 107,265 acres, making Fort Drum the largest Army installation in the Northeast.

INSTALLATION MISSION: Fort Drum's mission is multi-faceted: command the active components, units and individuals assigned to the Installation; provide administrative and logistical support to tenant activities; provide support to all units in training to include active and reserve components, and plan for and support mobilization, deployment and annual training of almost 50,000 reserve component soldiers.

COMMAND ORGANIZATION: ACSIM (Assistant Chief of Staff for Installation Management)

REGULATOR PARTICIPATION:

FEDERAL: U.S. Environmental Protection Agency, Region II

STATE: New York State Department of Environmental Conservation (NYSDEC)

- Division of Solid and Hazardous Materials
- Division of Environmental Remediation; Underground Storage Tanks

REGULATORY STATUS:

The lead regulatory agency is the NYSDEC Division of Solid and Hazardous Materials. Fort Drum is a large quantity generator. The Part B Permit application has been withdrawn. Permitting requirements pursuant to RCRA direct permit holders to evaluate, and if necessary, remediate former Solid Waste Management Units (SWMUs) as a permit condition. After the withdrawal of the RCRA Part B permit, Corrective Action Requirements will be addressed by an Order On Consent which is currently under negotiation and likely will be issued in FY06.

No NOV's have been issued.

NPL STATUS:

No NPL sites have been identified at Fort Drum

RAB/TRC/TAPP STATUS: No RAB/TRC/TAPP currently at Fort Drum. The public was last surveyed for interest in 2005.

PROGRAM SUMMARIES:

IRP

Contaminants of Concern: Petroleum/Oil/Lubricants (POL), Heavy Metals

Media of Concern: Soil, Groundwater, Surface Water, Sediment

Estimated date for RIP/RC: 2007/2024

Funding (FY88-FY04): \$62,221,192

FY05 (expected): \$3,019,000

CTC: \$22,135,000

MMRP

There are no MMRP sites identified at Fort Drum

BRAC

There are no BRAC sites identified at Fort Drum

Cleanup Program Summary

HISTORIC ACTIVITY: Fort Drum has been used as a military training site since 1908, however the Army's presence in the North Country may be traced back to the early 1800s.

In 1809, a company of infantry soldiers was stationed at Sackets Harbor to enforce the Embargo Act and control smuggling between northern New York and Canada. Following the outbreak of the War of 1812, Sackets Harbor became the center of United States naval and military activity for the Upper St. Lawrence River Valley and Lake Ontario.

During the 1830s and 40s, the Patriots War in Canada prompted a new round of military preparations and Madison Barracks became the home of artillery units.

Learning that the War Department was looking for areas in northern New York to train the troops, the Watertown Chamber of Commerce proposed the Army establish a training area on 10,000 acres of land along the Black River in the vicinity of Felts Mills, Great Bend and the village of Black River.

In 1908, Brigadier General Frederick Dent Grant, son of General Ulysses S. Grant, was sent here with 2,000 regulars and 8,000 militia. He found Pine Plains to be an ideal place to train troops. The following year money was allocated to purchase the land and summer training continued here through the years. The camp's first introduction to the national spotlight came in 1935 when the largest peacetime maneuvers were held on Pine Plains and surrounding farmlands.

Thirty-six thousand, five hundred soldiers came from throughout the Northeast to take part in the exercise. Some soldiers traveled by trains which arrived in town every 15 minutes, coming from as far away as Buffalo and New York City.

For 36 hours, young men from offices, factories, and farms marched, attacked and defended in tactical exercises on the 100 square miles the Army had leased for its war games. The maneuvers were judged to be most successful and the War Department purchased another 9,000 acres of land.

With the outbreak of WWII, the area then known as Pine Camp was selected for a major expansion and an additional 75,000 acres of land was purchased. With that purchase, 525 local families were displaced. Five entire villages were eliminated, while others were reduced from one-third to one-half their size.

By Labor Day 1941, 100 tracts of land were taken over. Three thousand buildings, including 24 schools, 6 churches and a post office were abandoned. Contractors then went to work, and in a period of 10 months at a cost of \$20 million, an entire city was built to house the divisions scheduled to train here.

Eight hundred buildings were constructed; 240 barracks, 84 mess halls, 86 storehouses, 58 warehouses, 27 officers' quarters, 22 headquarters buildings, and 99 recreational buildings as well as guardhouses and a hospital. Construction workers paid the price, as the winter of 1941-42 was one of the coldest in North Country history.

The three divisions to train at Pine Camp were General George S. Patton's 4th Armored Division (Gen. Creighton Abrams was a battalion commander here at the time), the 45th Infantry Division and the 5th Armored Division.

The post also served as a prisoner of war camp. Of those prisoners who died here, one Italian and six Germans are still buried in the Sheepfold Cemetery near Remington Pond.

Pine Camp became Camp Drum in 1951, named after Lt. Gen. Hugh A. Drum who commanded the First Army during World War II. During and after the Korean Conflict, a number of units were stationed and trained here to take advantage of the terrain and climate.

Cleanup Program Summary

The post was designated Fort Drum in 1974 and a permanent garrison was assigned. In April 1980, B Company, 76th Engineer Battalion (Combat Heavy) was reassigned here from Fort Meade, Md. It was followed by the rest of the battalion, less Company D, three years later.

In January 1984, the Department of the Army announced it was studying selected Army posts to house a new light infantry division. On September 11, 1984, the announcement was made that Fort Drum would be the new home of the 10th Light Infantry Division.

The first division troops arrived at Fort Drum on December 3, 1984, and the unit was officially activated on February 13, 1985. The name was changed to the 10th Mountain Division (Light Infantry) at that time.

On June 4, 1985, the identity of a Roundout Brigade was announced. The brigade was composed of New York Army National Guard battalions from central and northern New York under the 27th Infantry Brigade.

On June 28, 1985, the 76th Engineer Battalion was inactivated.

The division reached full strength in 1989. Between 1986 and 1992, 130 new buildings, 35 miles of roads, and 4,272 sets of family housing units were built at a cost of \$1.3 billion. Since the early 1990s, Fort Drum has continued to construct and expand facilities to include training ranges, a new 10,000 ft runway at the airfield and support facilities for rapid deployment.

The mission of the 10th Mountain Division (LI) is to deploy rapidly by air, sea, and land anywhere in the world, prepared to fight upon arrival and win.

CURRENT ACTIVITY:

Fort Drum's mission is multi-faceted: command the active components, units and individuals assigned to the Installation; provide administrative and logistical support to tenant activities; provide support to all units in training to include active and reserve components, and plan for and support mobilization, deployment and annual training of almost 50,000 reserve component soldiers.

MAJOR PROGRAM CONCERNS:

Two sites (FTD-110 & 111), listed under the IRP as response complete are being considered and evaluated for inclusion in the Compliance Cleanup Program. The two sites are soon to be deactivated water towers with lead (paint) contaminated soil.

PROGRAM PROGRESS:

FTD-007	CMS completed; phytoremediation pilot ongoing
FTD-008	LTM ongoing
FTD-030A	Focused Technical Selection completed
FTD-030B	O&M of AAS/BV treatment system
FTD-030C	AAS/BV treatment system shutdown; MNA ongoing
FTD-030D	SVE/AAS treatment system design completed; construction underway
FTD-030E	MPE/AAS treatment system design completed
FTD-030F	MPE/AAS treatment systems (4) startup phase completed; O&M ongoing
FTD-089	Focused Technical Selection completed; MNA ongoing
FTD-091	AAS system upgrade completed; O&M ongoing
FTD-112	NFA approved by NYSDEC

FORT DRUM INSTALLATION RESTORATION PROGRAM

AEDB-R SITES/SITES RC: 53/41

AEDB-R SITE TYPES:

1 Fire/Crash Training Area	1 Contaminated Building
2 Contaminated Soil Piles	2 Surface Disposal Areas
1 Chemical Disposal	1 Drainage Ditch
1 Disposal Pit/Dry Well	1 Firing Range
1 Incinerator	9 Landfills
2 Maintenance Yards	1 Oil/Water Separator
1 Pesticide Shop	4 Storage Areas
1 Waste Treatment Plant	1 Soil Contamination after Tank Removal
4 Spill Site Areas	7 Underground Tank Farms
5 Underground Storage Tanks	2 Surface Impoundment/Lagoons
2 Waste Lines	3 Explosive Ordnance Disposal Areas

CONTAMINANTS OF CONCERN: Petroleum/Oil/Lubricants (POL), Heavy Metals

MEDIA OF CONCERN: Soil, Groundwater, Surface Water, Sediment

COMPLETED REM/IRA/RA:

FTD-003, Waste Removal – Soils	FTD-077, Waste Removal - Soils
FTD-008, Drainage Controls, Capping	FTD-087, Waste Removal – Soils/Containers
FTD-030B-C, SVE/Bioventing, Air sparging	FTD-089, GW Treatment, Natural Attenuation
FTD-072, Waste Removal – Soils	FTD-091, GW Treatment, Natural Attenuation
FTD-074, Waste Removal – Soils	FTD-093, Waste Removal - Soils
FTD-076, Waste Removal – Soils, Incineration	FTD-112, Waste Removal - Soils

IDENTIFIED POSSIBLE REM/IRA/RA:

FTD-007, 030A, 030D, 030E, 030F

TOTAL ERA FUNDING:

Prior Year Funding (FY 1988-2004):	\$62,221,192
Current (FY05) (expected):	\$ 3,019,000
Future Requirements (FY 2006-2015+):	<u>\$22,135,000</u>
Total Funding:	\$87,375,192

DURATION OF IRP:

Year of IRP Inception: 1987
Year of IRP Completion Excluding LTM: 2024
Year of IRP Completion Including LTM: 2030

IRP Contamination Assessment

Studies of potentially contaminated sites at FTD began in 1980, when the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) conducted an Installation Assessment. This study identified 35 areas of concern. In 1986, USATHAMA contracted to have a remedial investigation (RI) performed, which studied 6 sites in depth, and the U.S. Army Environmental Hygiene Agency (USAEHA) conducted an evaluation of Solid Waste Management Units (SWMUs), which considered 72 areas of concern. Currently, there are 12 active IRP sites that are being investigated, remediated or undergoing long-term management. The other sites have been classified as needing No Further Action (NFA) or have been remediated and are awaiting final closure pending New York State Department of Environmental Conservation (NYSDEC) review.

Past solid waste disposal practices have resulted in the contamination of soil, surface water, sediment and groundwater with landfill leachate containing petroleum hydrocarbons, heavy metals, pesticides, solvents, and paint components. Formerly leaking underground storage tanks resulted in free product floating on the water table, contaminating the groundwater, surface water, sediment and soil. Past Explosive Ordnance Disposal (EOD) activities caused elevated levels of heavy metals, and trace explosive and propellant compounds in soil and groundwater. Two buildings/sites were contaminated with pesticides.

Petroleum is the predominant contaminant at the remaining 12 active sites. Leaking underground storage tanks (USTs) and piping at nine former fuel dispensing facilities along Gasoline Alley have resulted in six petroleum contaminated sites (Areas 1295, 1395, 1495, 1595, 1795, and 3805) with extensive groundwater plumes and soil contamination, as well as surface water and sediment contamination at three of these sites. Other active petroleum contaminated sites include Building P-2140 (active AAFES fueling station with groundwater, soil, surface water and sediment contamination), Building T-1245 (former fueling facility with soil and groundwater contamination), and Building T-91 (maintenance shop with soil and groundwater contamination). In addition, there are two former landfills: Airfield Sanitary Landfill with potential metals and phenols impacts to groundwater; and Old Sanitary Landfill with metals, BTEX, phenols, and other contamination of groundwater, surface water, sediment and soil. At one active site, Building T-4006, the primary contaminants are solvents and lead.

The lead regulatory agency is the NYSDEC Division of Solid and Hazardous Materials. Fort Drum is a large quantity generator. The Part B Permit application has been withdrawn. Permitting requirements pursuant to RCRA direct permit holders to evaluate, and if necessary, remediate former Solid Waste Management Units (SWMUs) as a permit condition. After the withdrawal of the RCRA Part B permit, Corrective Action Requirements will be addressed by an Order On Consent which is currently under negotiation and is likely to be issued in FY06.

IRP Contamination Assessment

CLEANUP EXIT STRATEGY:

Fort Drum has 12 active sites currently receiving funding. Of those, 8 sites are in the RA(O) or LTM phase. Of the remaining 4 sites, 3 are scheduled to have final remedies in-place in FY06 , and 1 is scheduled to have the final remedy in-place in FY07.

FTD-007 Old Sanitary Landfill: Phytoremediation, cap repair, LTM

FTD-008 Airfield Sanitary Landfill: LTM

FTD-030A Area 1295: In-situ treatment (chemical oxidation) of soil and groundwater, MNA, LTM

FTD-030B Area 1395: Operate AAS/Bioventing treatment system, MNA and LTM

FTD-030C Area 1495: MNA, LTM

FTD-030D Area 1595: Operate AAS/SVE/Bioventing systems, limited excavation of the creek if necessary, MNA and LTM

FTD-030E Area 1795: Install and operate AAS/SVE/Bioventing system, limited soil/debris removal (WWII Landfill), MNA, LTM

FTD-030F Area 3805: Operate MPE/AAS system at source area, MNA, LTM

FTD-031 Building T-91: MNA (sampling every 3 years); closure report and well decommissioning

FTD-088 Building T-4006 USTs: Final sampling; closure report and well decommissioning

FTD-089 Bldg T-1245 USTs: MNA with biennial sampling; closure report and well decommissioning

FTD-091 Bldg P-2140 USTs: Operate Dual-Phased Extraction and AAS systems, MNA, LTM

Previous Studies:

Undated:

- 84, FTD -73, NYANG Maps, -, -, -
- 136, REF, Water Resources Investigation Report 85-4119 Geological Survey, Jefferson, Lewis & St. Lawrence Counties, D, -, Reynolds
- 190, FTD -3, Sludge Drying Beds Responses to 90% Design Submittal , F, -, Wright
- 465, -, Misc Files from S Spayde Suspense Files, F, -, -
- 466, -, Misc Maps Military Housing, Webster NY POV Parking Repair Building T-543, D, -, -
- 495, FTD -30, Summary Data Soil 3 Large Envelopes, F, -, -
- 853, REF, In Situ and On-Site Bioremediation Volume I, F, -, Battelle

Previous Studies (continued):

- 808, -, Draft Final RCRA Facility Investigation (Loose Documents, Shelley Spayde Misc Files), DF, -, -
- 812, FTD -87, 90% Design Delivery Order Scope of Work Removal of underground Storage Tank 1, 2, 3, 4, 5 & 6, D, -, -
- 852, -, In Situ Aeration Air Sparging, Bioventing and Related Remediation Processes, F, -, -
- 904, IRP, Photo Log Ft. Drum Solid Waste Management Units & IRP Sites Volume I (DSERTS #FTD-001 to FTD-030), F, -, FTD
- 940, IRP, Photo Log Ft. Drum Solid Waste Management Units & IRP Sites Volume II (DSERTS #FTD-031 to FTD-088), F, -, FTD
- 941, IRP, Photo Log Ft. Drum Solid Waste Management Units & IRP Sites Volume III (DSERTS #FTD-089 to FTD-112), F, -, FTD

1977

- 1021, REF, Landfill Study No. 26-0011-78 Fort Drum, NY 19-30 September 1977, F, Sep-77, USAEHA

1981-84

- 61, -, Installation Assessment of Ft. Drum, F, Jul-81, Chem Sys
- 257, FTD -93, Installation Restoration Program Phase I Records Search Hancock Field, F, Jul-82, Eng Scie
- 660, REF, Health Basic Groundwater Hydrology United States Geological Survey Water-Supply Paper 2220 Text Book, D, Jun-83, US Inter
- 1022, REF, Solid Waste Disposal Study No. 38-26-0444-85 Landfill Site Selection Ft Dr NY 17-24 September 1984, F, Sep-84, USAEHA

1985

- 9, -, Felts Mills Hydroelectric Project Development Plan & Draft Exhibit E-Environmental Report, F, Jan-85, L Lake En
- 66, FTD -30-1595, Technical Concepts for Remediation of Gasoline Alley Contamination at the Fuel Dispensing Area 1595, D, Nov-85, D& Moore
- 116, FTD -30, Remedial Investigation of Fort Drum, New York, D, Dec-85, Dames
- 513, Floyd, The Echo I Experiment The Beginnings of Air Force Satellite Communications, D, Oct-85, Rome Air

1986

- 5, FTD -77, Hazardous Waste Study/Investigation of Soil Contamination at the Fire Training Pit and Building S-2005, D, Aug-86, USAE
- 60, -, Remedial Investigation of Ft. Drum Appendix F No AMXTH-AS-CR-85054, F, Aug-86, D& Moore
- 82, REF, Report on Third Phase Part 1 Groundwater Supply Investigation Infrastructure II Fort Drum, New York, F, Sep-86, Seelye
- 115, FTD -30, Remedial Investigation of Fort Drum, New York, F, Aug-86, Dames
- 115, FTD -30-1595, Remedial Investigation of Fort Drum, New York, F, Aug-86, Dames
- 171, -, Fort Drum Underground Fuel Storage Leak Testing RFP & Technical Specifications, D, Dec-86, C&S Eng.
- 198, UST, Leaking Underground Storage Tank Phase II Report (L.U.S.T.), D, Jun-86, C&S Eng.
- 236, FTD -30-1595, Remedial Investigation Report for Area 1595, D, Aug-86, Dames

Previous Studies (continued):

1986

- 427, -, US Depart of the Interior Geological Survey, D, Jan-86, Reynolds
- 1023, REF, Hazardous Waste Study No. 37-26-0724-87 Investigation of Soil Contamination at the Fire Training Pit & Bldgs-2005, F, Aug-86, USAEHA
- 1036, REF, USDept of the Interior Geological Survey Hydrogeology of Ft Dr Area Jeff, Lewis & st Law Counties, F, 1986, DoD

1987

- 6, 77, Hazardous Waste Study/Investigation of Soil Contamination for Building S-2005, D, Sep-87, USAE
- 59, REF, USAEHA Hazardous Waste Consultation No 37-26-1673-88 Evaluation of Solid Waste Management Units Ft Dr, NY, F, Jul-87, USAEHA
- 105, -, Installation Compatible Use Zone (ICUZ) Update, F, Jun-87, Georgia In
- 138, -, Infrastructure 1 Project Alternative Technology Study, D, Dec-87, Ebasco
- 302, SWMU, Interim Final Report Hazardous Waste Consultation Appendix E, D, Jul-87, -
- 546, -, Modified Environmental Audit Protocol Environmental Self-Audit Program, F, Nov-87, DoD
- 588, -, Management of Leachate from Army Sanitary Landfills Technical Report N-86/19 July 1986 Sanitary Landfill Control, F, Jul-86, USACerl
- 595, SWMU, Interim Final Report Hazardous Waste Consultation Evaluation of Solid Waste Management Units, F, Jul-87, USAEC
- 979, REF, Hazardous Waste Study No. 37-26-0121-88 Investigation of Soil Contamination At Bldg S-2005 & EOD Area Range 8, F, Oct-87, USAEHA
- 1030, FTD -7, Site Investigation Report Sanitary Landfill Area 4E North Central Fort Drum, New York (Project #228 Mod #8 & 9), F, Feb-87, Ebasco

1988

- 16, REF, US Army Restoration Program Management Guidance, F, Dec-88, Peer Con
- 137, -, Filter Scavenger-Operation and Maintenance Manual US Pat No 4, 243, 529, D, Jul-88, ORS Env
- 201, FTD -30-1595, Remedial Investigation/Feasibility Study Fuel Dispensing Site Specific Health & Safety Plan, D, Dec-88, OBG
- 295, -, Environmental Operational Review No 32-24-7140-89, D, Oct-88, USAEC
- 611, -, Fort Drum Site Removal Action, D, Mar-88, US EPA

1989

- 24, -, Site Health and Safety Plan, D, Aug-89, CDM
- 4, FTD -24, Monitoring Well Installation Plan for Field Activities at Fort Drum, New York, D, Sep-89, CDM
- 4, FTD -30, Monitoring Well Installation Plan for Field Activities at Fort Drum, New York, D, Sep-89, CDM
- 4, FTD -31, Monitoring Well Installation Plan for Field Activities at Fort Drum, New York, D, Sep-89, CDM
- 4, FTD -72, Monitoring Well Installation Plan for Field Activities at Fort Drum, New York, D, Sep-89, CDM
- 4, FTD -77, Monitoring Well Installation Plan for Field Activities at Fort Drum, New York, D, Sep-89, CDM

Previous Studies (continued):

1989

- 4, FTD -30-WWII, Monitoring Well Installation Plan for Field Activities at Fort Drum, New York, D, Sep-89, CDM
- 7, FTD -77, Work Plan for RCRA Closure for Building S-2005, F, Sep-89, CDM
- 34, FTD -8, Work Plan for Records Review/Data Compilation Existing Sanitary Landfill, F, Sep-89, CDM
- 36, FTD -7, Work Plan for RCRA Facility Investigation Old Sanitary Landfill, F, Sep-89, CDM
- 69, FTD -30-1595, Remedial Investigation/Feasibility Study for Area 1595, D, Sep-89, OBG
- 189, IRP, Final Site Health & Safety Plan (for various sites), F, Sep-89, CDM
- 197, FTD -30-WWII, Work Plan for Site Investigation WWII Landfill Final, F, Sep-89, CDM
- 259, FTD -93, Installation Restoration Program Phase II Confirmation/Qualification Stage 2 Volume 2-Appendices, F, Jun-89, Science
- 329, FTD -72, Work Plan for Remedial Investigation NJANG Final, F, Sep-89, CDM
- 258, FTD -93, Installation Restoration Program Phase II, Confirmation/Qualification Stage 2 Volume I-Technical Report Hancock , F, Jun-89, USAF
- 652, REF, Soil Survey of Jefferson County City Maps Brown Accordion File, D, Sep-89, USAG
- 693, -, Draft Chemical Data Acquisition Plan Fort Drum, D, Sep-89, CDM
- 858, -, Final Chemical Data Acquisition Plan Misc Military & Civil Hazardous Waste Cleanup Projects, F, Oct-89, CDM

1990

- 31, FTD -8, Database Compilation Report Existing Sanitary Landfill, D, Feb-90, CDM
- 13, REF, Army Regulation 200-1 Environmental Protection and Enhancement, F, Apr-90, Army
- 14, FTD -28, Confirmation Study of the Old Fire Training Pit at Fort Drum Phase 1, F, Oct-90, Radian
- 27, FTD -30-1795, World War II Landfill Site Investigation Report Volume I, F, Nov-90, CDM
- 54, FTD -7, Draft RCRA Facility Investigation Report Volume I, D, May-90, CDM
- 55, FTD -7, Draft RCRA Facility Investigation Report Volume II, D, May-90, CDM
- 68, FTD -30-1595, Remedial Investigation Fuel Dispensing Area 1595, D, Feb-90, OBG
- 70, FTD -30-1595, Shallow Soil Gas Investigation Tank Areas 1595 and 3805, D, Nov-90, Radian
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- 204, FTD -30-1595, Bioventing Test Work Plan for Area 1595, D, May-94, Eng Scien
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- 226, FTD -91, Draft Chemical Data Acquisition Plan for Field Investigation for P-2140 AAFES Gas Station, D, May-94, EA
- 227, FTD -91, Site Specific Safety Health & Emergency Response Plan for Field Investigation Building T-2140 AAFES, F, Jun-94, EA
- 228, FTD -91, Work Plan for Field Investigation at Building T-2140 AAFES, D, May-94, EA
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- 330, FTD -72, PreFinal Supporting Design Documentation Settling Basin Documentation, F, Jun-94, W Clyde
- 331, FTD -72, PreFinal Construction Specifications Settling Basin Remediation NJANG, F, Jun-94, W Clyde
- 332, FTD -72, Draft Contamination Assessment Rpt NJANG Facility, D, May-94, W Clyde
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- 114, FTD -30, Site Specific Safety Health & Emergency Response Plan for Overall Sampling & Monitoring Activities at Gas Alley Sites, D, Apr-95, EA
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- 224, FTD -22, Fort Drum Range 17 EOD Burn Site Final Quality Assurance Project Plan, F, May-95, MP
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- 243, FTD -93, Conceptual Design Report Storm Sewer Outfall Hancock Field Army Complex, F, May-95, MP
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- 565, FTD -31, Groundwater Sampling at T-91 Site Letter Report (event March 30, 1995), F, May-95, Weston
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- 631, FTD - 87, Comprehensive Work Plan Hancock Field UST Removal, D, Sep-95, WasteTr.
- 639, FTD -3, Closure Report for Sludge Drying Beds, F, Jun-95, Wright
- 648, IRP, Installation Restoration Program IRP, D, Feb-95, -
- 666, FTD -24, Work Plan Volume I of III Field Investigation Plan, D, Jan-95, MP
- 667, FTD -22, Final Work Plan Volume II of III Site Safety & Health Plan, F, May-95, MP
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- 459, FTD -7, Draft Quarterly Surface Water & Sediment Sampling Program Report Old Sanitary Landfill Fort Drum, NY, D, Mar-96, EA
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- 529, FTD -91, Quarterly Progress Rpt Remedial Sys Operations Interim GW Extraction & Treatment Sys (event 5 March to 13 June 96), D, Jul-96, EA
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- 531, FTD -91, Draft Work Plan Field Sampling & Analysis Plan Interim Pilot Study of Soil Vapor Extraction at Bldg P-2140 AAFES, D, Jun-96, EA
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- 656, FTD -30-1795 , Draft Aquifer Air Sparge Soil Vapor Extraction Pilot System Design, D, Sep-96, EA
- 657, FTD -30-1795, Draft Pilot Remedial Measures Work Plan Area 1795, D, Apr-96, EA
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- 671, FTD -24, Draft Field Investigations Plan Addendum Ft Drum Groundwater Monitoring EOD Burn Sites Ranges 17 & 35 , D, May-96, MP
- 672, FTD -22, Ft Drum Burn Sites Draft Quality Assurance Project Plan Addendum, D, May-96, MP
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- 676, FTD -22, Response to Comments on Draft Work Plan for Groundwater Monitoring EOD Burn Sites Ranges 17 & 35 (Letter Rpt), D, Aug-96, MP
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- 685, FTD -7, Draft CCAR Volume V Appendices & Attachments Areas 1895, 1995, 3805 & the OSL Gas Alley, Fort Drum, NY, D, Jan-96, EA
- 685, FTD -30-1895, Draft CCAR Volume V Appendices & Attachments Area 1895, 1995, 3805 & the OSL Gas Alley, Fort Drum, NY, D, Jan-96, EA
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- 686, FTD -30-3805, Draft CCAR Volume V Area 1895, 1995, 3805 Gas Alley, Fort Drum, New York, D, Jan-96, EA
- 687, IAP, Installation Action Plan for 1995, F, Jan-96, FTD
- 691, FTD -30, Rpt for Field & Analytical Svcs Rmval 22 Underground Storage Tanks Gas Alley Appendix Volume 2 Appendices E-G, F, May-96, EA
- 692, FTD -30-1595, General Work Plan Surface Water Impoundment Restorations & Installation Flow Measurement Devices Golden Pond, D, Oct-96, Dow
- 694, FTD -30-1595, Summary Report Preremedial Activities Soil Borings & Sample Collection Gas Alley Golden Pond, F, Oct-96, Dow
- 696, FTD -30-1595, Final General Work Plan Soil Borings and Sample Collection Golden Pond, F, Jul-96, Dow
- 697, IAP, FY96 Active Sites Installation Restoration Program Action Plan Guidance , F, Feb-96, AEC

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- 702, FTD -93, Work Plan for Remediation of Storm Sewer Outfall Hancock Field Army Complex Syracuse, NY, D, Aug-96, Enviro
- 703, FTD -93, Work Plan for Remediation of Storm Sewer Outfall Hancock Field Army Complex Syracuse, NY Revised, F, Nov-96, Enviro
- 705, FTD -76, Site Specific Plans Interim Remedial Action for Building T-4002, D, Jun-96, COE
- 706, FTD -76, Interim Remedial Action Offsite Disposal Plan for Building T-4002, D, May-96, COE
- 707, FTD -76, Site Specific Sampling & Analysis Plan for Remedial Design Building T-4002, D, Mar-96, R & R
- 711, FTD -76, Traffic Control Plan for Remedial Design for Building T-4002, D, Mar-96, R & R
- 712, FTD -76, Spill Control Plan for Remedial Design for Building T-4002, D, Mar-96, R & R
- 713, FTD -76, Site Specific Quality Control Plan for Building T-4002, D, Mar-96, R & R
- 714, FTD -76, Off Site Disposal Plan Remedial Design for Building T-4002, D, Mar-96, R & R
- 715, FTD -76, Off Site Disposal Plan Remedial Action for Building T-4002, D, May-96, R & R
- 716, FTD -76, Waste Handling & Packaging Plan Remedial Design for Building T-4002, D, Mar-96, R & R
- 717, FTD -76, Contractors Chemical Data Quality Control Plan Interim Remedial Action for Building T-4002, D, May-96, R & R
- 718, FTD -76, Contractors Quality Control Plan Interim Remedial Action for Building T-4002, D, May-96, R & R
- 719, FTD -76, Sampling and Analysis Plan for Interim Remedial Action for Building T-4002, D, May-96, R & R
- 720, FTD -76, Waste Management Plan Interim Remedial Plan for Building T-4002, D, May-96, R & R
- 721, FTD -76, Waste Handling and Packaging Plan Interim Remedial Action for Building T-4002, D, May-96, R & R
- 722, FTD -76, Erosion Control Plan Interim Remedial Action for Building T-4002, D, May-96, R & R
- 723, FTD -76, Spill Control Plan for Remedial Action Building T-4002, D, May-96, R & R
- 724, FTD -76, Traffic Control Plan Interim Remedial Action for Building T-4002, D, May-96, R & R
- 725, FTD -76, Contractors Demolition Plan Interim Remedial Action for Building T-4002, D, May-96, R & R
- 726, FTD -76, Erosion Control Plan Remedial Design for Building T-4002, D, Mar 96, R & R
- 727, FTD -76, Waste Management Plan for Remedial Design for Building T-4002, D, Mar-96, R & R
- 728, FTD -76, Contractors Demolition Plan for Remedial Design for Building T-4002, D, Mar-96, R & R
- 729, FTD -76, Site Safety and Health Plan Interim Remedial Action for Building T-4002, D, Mar-96, R & R
- 730, FTD -76, Contractors Chemical Data Quality Control Plan for Remedial Design for Building T-4002, D, Mar-96, R & R
- 733, IRP, Installation Restoration Program Management Plan, F, Dec-96, AEC

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- 734, FTD -85, Response to USACE & Fort Drum Comments on Draft Work Plans for the 4 New SWMUs at Fort Drum, NY, F, Feb-96, MP
- 734, FTD -94, Response to USACE & Fort Drum Comments on Draft Work Plans for the 4 New SWMUs at Fort Drum, NY, F, Feb-96, MP
- 734, FTD -112, Response to USACE & Fort Drum Comments on Draft Work Plans for the 4 New SWMUs at Fort Drum, NY, F, Feb-96, MP
- 748, FTD -30, Responses to Comments for Volumes I, II, III, IV and V Pre-Draft CCAR, Fort Drum, NY, F, Jan-96, EA
- 755, FTD -30-1295, Work Plan Pre-Remedial Activities Area 1295 Gasoline Alley Ft Dr NY Work Order 204, D, Jul-96, Dow
- 756, FTD -30-1795, Draft Data Gap Study Work Plan Addendum Area 1795 Gasoline Alley, D, Apr-96, EA
- 757, FTD -30-1795, Draft Aquifer Air Sparge/Soil Vapor Extraction Pilot System Design Area 1795 Gasoline Alley, D, Sep-96, EA
- 759, FTD -30-1795, Draft Pilot Remedial Measures Work Plan Area 1795 Gasoline Alley, D, Apr-96, EA
- 768, FTD -30, Gasoline Alley Quarterly Groundwater Monitoring Program Quarter 2 Groundwater Monitoring Data Volume I of II, F, Jul-96, Radian
- 768, FTD -30-1295, Gasoline Alley Quarterly Groundwater Monitoring Program Quarter 2 Groundwater Monitoring Data Volume I of II, D, Jul-96, Radian
- 768, FTD -30-1395, Gasoline Alley Quarterly Groundwater Monitoring Program Quarter 2 Groundwater Monitoring Data Volume I of II, D, Jul-96, Radian
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- 769, FTD -7, Gasoline Alley Quarterly Groundwater Monitoring Program Quarter 1 Groundwater Monitoring Data Volume I of II, F, Mar-96, Radian
- 769, FTD -30, Gasoline Alley Quarterly Groundwater Monitoring Program Quarter 1 Groundwater Monitoring Data Volume I of II, F, Mar-96, Radian
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- 770, FTD -7, Gasoline Alley Quarterly Groundwater Monitoring Program Quarter 1 Groundwater Monitoring Data Volume II of II, F, Mar-96, Radian
- 770, FTD -30, Gasoline Alley Quarterly Groundwater Monitoring Program Quarter 1 Groundwater Monitoring Data Volume II of II, F, Mar-96, Radian
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- 782, FTD -72, Closure Report NJNG Settling Pond Remediation Contract #DACA31-94-C-0174, F, Nov-96, GAI INC
- 792, FTD -30-1495, Draft Recommendation for Remedial Action Area 1495, Gasoline Alley, D, Feb-96, EA
- 793, FTD -30-1395, Draft Recommendations for Remedial Action Area 1395, Gasoline Alley, D, Feb-96, EA
- 794, FTD -30-1795, Piezometer, Monitoring Well, and Recovery Installations Area 1795 Letter Report, D, Sep-96, EA
- 795, FTD -30-1795, First Quarter Stream Gauging Report, Area 1795 Gasoline Alley Letter Reports, D, Aug-96, EA
- 796, FTD -30-1595, Building 1599 Engineering Evaluation Report Area 1595 Gasoline Alley Fort Drum , D, Oct-96, EA
- 798, FTD -30-1295, General Work Plan Remediation of Petroleum Contaminated Soil Vapor Monitoring Point & Vapor Extraction Well Install, D, Apr-96, DOW
- 798, FTD -30-1395, General Work Plan Remediation of Petroleum Contaminated Soil Vapor Monitoring Point & Vapor Extraction Well Install, D, Apr-96, DOW
- 798, FTD -30-1495, General Work Plan Remediation of Petroleum Contaminated Soil Vapor Monitoring Point & Vapor Extraction Well Install, D, Apr-96, DOW
- 799, FTD -30-1295, General Work Plan Remediation of Petroleum Contaminated Soil Vapor Monitoring Point & vapor Extraction Well Install, F, Apr-96, DOW
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- 800, FTD -30-1595, Summary Report Preremedial Activities Soil Borings & Sample Collection Gasoline Alley Area 1595 Golden Pond, D, Oct-96, DOW
- 809, FTD -30, Response to Comments Pre/Draft Comprehensive Contaminant Assessment Report Gasoline Alley, F, Jan-96, EA
- 814, FTD -30-1595, Letter Report Draft Hydraulic Report, Area 1595, Fort Drum, New York, D, Mar-96, EA
- 827, FTD -30-1595, Data Gap Study and Pilot Remedial Measures Work Plan Area 1595 Gasoline Alley Ft Dr NY, F, Jun-96, EA
- 832, FTD -30-3805, As Built Drawings 1 set 2 sheets/3805-RW3 Treatment System , F, Aug-96, DOW
- 834, FTD -72, Fort Drum New Jersey Army National Guard Quarterly Monitoring Quarter 9, F, Dec-96, Geo
- 859, FTD -30-1595, Fuel Dispensing Area 1595 Ft Dr Report of Findings, F, Mar-96, OBG
- 872, REF, How to Effectively Recover Free Product at Leaking Underground Storage Tank Sites, A Guide for State Regulators, F, Sep-96, EPA
- 933, FTD -30, Fall 96 Quarterly GW Monitoring Program & Natural Attenuation Parameter Sampling Gas Alley Ft Dr NY, F, Aug-96, EA
- 934, FTD -8, Responses to Comments on the Draft Post-Closure O&M Plan, Airfield Sanitary Landfill, FTD, NY, F, Sep-96, CDM
- 948, REF, Comparison Criteria for Environmental Chemical Analyses of Split Samples Sent to Different Laboratories, F, May-96, CRREL
- 958, FTD -30-1395, Bristol Babcock Inc Distributed Process Controllers DPC 3330 for Radian International O & M Manual Vol 6, F, Jul-96, Radian
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- 978, REF, Stars Memo #2 Biocell and Biopile Designs for Small Scale Petroleum Contaminated Soil Projects, F, May-96, NYSDEC
- 1011, FTD -72, Fort Drum New Jersey Army National Guard Quarterly Ground Water Monitoring Quarter 9 (event 11/13/96), F, Dec-96, Geomatrix
- 998, FTD -30-1395, General Work Plan Bioventing/SVE System Installation Areas 1395 & 1495 FTD Gasoline Alley, FTD, NY Volume 1, D, Jul-96, DOW
- 998, FTD -30-1495, General Work Plan Bioventing/SVE System Installation Areas 1395 & 1495 FTD Gasoline Alley, FTD, NY Volume 1, D, Jul-96, DOW
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- 515, FTD -30-1595, Data Gap Study & Pilot Remedial Measures Work Plan Area 1595, D, Jun-97, EA
- 599, FTD -30-3805, Quarterly Discharge Report for Area 3805 Letter Report (event 1-July to 31-December 96), F, Jan-97, EA
- 600, FTD -30-3805, Final Monitoring & Recovery Well Installation Report Area 3805 (3805-RW6, 3805-RW5), F, Jan-97, EA
- 607, FTD -91, Qtrly Prog. Report for Oper., Maint. & Sampling Cond. 1 Oct-31 Dec 96 at the GW Extr.& Treat. Sys. Bldg. T-2140 FTD, F, Jan-97, EA

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- 608, FTD -30-3805, Draft Groundwater Model Work Plan Areas 1795 & 3805 Gasoline Alley, Fort Drum, NY, D, Feb-97, CENAB
- 613, FTD -30-1595, Third Quarter Stream Gauging Report Area 1595 Creek, Gasoline Alley, D, Jan-97, EA
- 614, FTD -30-1795, Third Quarter Stream Gauging Report, Area 1795 Creek, Gasoline Alley, D, Jan-97, EA
- 615, FTD -30-1795, Final Bail Down Test Letter Report Area 1795 Fort Drum, NY, F, Jan-97, EA
- 616, FTD -30-1595, Final Monitoring Well & Piezometer Installation Report, Area 1595 Gasoline Alley, F, Jan-97, EA
- 617, FTD -30-1795, Final Monitoring Well Recovery Well & Piezometer Installation Report Area 1795 Gasoline Alley, F, Jan-97, EA
- 620, FTD -7, Third Quarter Seep Monitoring Program Report OSL (event 8 January 97), F, Mar-97, EA
- 621, FTD -7, Third Quarter Stream Gauging Report OSL Creek Gasoline Alley (event 9 January 97), F, Feb-97, EA
- 622, FTD -30-1595, Final Well Monitoring Program Report Area 1595 Gasoline Alley, F, Mar-97, EA
- 638, FTD -30-1295, Comprehensive Site Evaluation Area 1295 Gasoline Alley Fort Drum New York, F, Feb-97, Radian
- 640, FTD -30-3805, Report of Progress Area 3805 Pilot Treatment System Study Performance Period 1 Nov - 31 Dec 96, F, Feb-97, EA
- 646, FTD -30-1595, General Work Plan Surface Water Impoundment Restorations & Installations of Flow Measurement Devices, F, Jan-97, DOW
- 647, FTD -7, Final Drum Characterization Program Report, Old Sanitary Landfill, Fort Drum, NY, F, Jan-97, EA
- 653, FTD -30-1595, Summary Report Re remedial Activities Soil Borings and Sample Collection Gasoline Alley, D, Jan-97, DOW
- 659, FTD -76, First Quarter Sampling Data T-4002, D, Mar-97, CDM
- 662, FTD -93, Hancock Field Army Complex Submittal Package Regarding Transfer, D, Jan-97, -663, FTD -30-1595, Revised Final Report Building 1599 Engineering Evaluation Area 1595, F, Mar-97, EA
- 664, FTD -30-1395, Draft Bioventing Soil Vapor Extraction Systems Start-up Plan Areas 1395 & 1495 Gasoline Alley, Fort Drum, NY, D, Feb-97, Radian
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- 679, FTD -74, Battery Shop P-44 Groundwater Sampling (2/97 event), F, Mar-97, M. Hart
- 698, HW, Investigative Derived Material at Building 1600 Letter Report, F, Feb-97, EA
- 699, FTD -30, Groundwater and Subsurface Soil Sampling WES Treatability Study, F, Mar-97, EA
- 704, FTD -30-1795, Final 1996 Data Gap Study Aquifer Pumping Test Report Area 1795, F, Mar-97, EA
- 709, FTD -76, Contract for Demolition and Contaminated Soil Removal for Building T-4002, F, Feb-97, COE

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- 736, Floyd, Summary Report Underground Storage Tank Removal 77th Reserve Support Command, F, Mar-97, Radian
- 732, FTD -7, Second Semi-Annual Surface Water & Sediment Sampling Results Old Sanitary Landfill (sampling event: Jan 1997), F, Mar-97, MP
- 760, FTD -31, Letter Report Groundwater Sampling at T-91 Site, Results of Round 8 (event March 19, 1997), F, Apr-97, Weston
- 761, FTD -30-1795, Draft Well Monitoring Program Report April 1996-March 1997 Area 1795, Gasoline Alley, Fort Drum NY, D, Apr-97, EA
- 762, FTD -30-1795, Draft Stream Gauging Program Report July 1996-April 1997 Area 1795 Creek, Gasoline Alley, Ft Drum NY, D, Apr-97, EA
- 763, FTD -30-1595, Draft Stream Gauging Program Report July 1996-March 1997 Area 1595 Creek, Gasoline Alley, Ft Drum NY, D, Apr-97, EA
- 764, FTD -30-1795, Draft Well Monitoring Program Report April 1996-March 1997 Area 1795, Gasoline Alley, NY, D, Apr-97, EA
- 767, FTD -8, Closure Plan Airfield Landfill Fort Drum, New York, F, Apr-97, CDM
- 771, FTD -30-1395, Draft Work Plan for Constant Rate Test & in Situ Respiration Test at Areas 1395 & 1495, D, Jan-97, DOW
- 771, FTD -30-1495, Draft Work Plan for Constant Rate Test & in Situ Respiration Test at Areas 1395 & 1495, D, Jan-97, DOW
- 772, FTD -30, Third Quarter 1996 December 1996 - January 1997 Groundwater Sampling Results Gasoline Alley, F, Mar-97, MP
- 773, FTD -30-1595, Draft Groundwater Modeling Study Work Plan Area 1595 Gasoline Alley, D, Feb-97, MP
- 778, FTD -7, Draft Stream Gauging Program Report July 1996-April 1997 OSL Creek, Gasoline Alley Fort Drum, F, Apr-97, EA
- 779, FTD -30-3805, Draft Work Plan Addendum Separate Phase Product Plume Delineation Study Area 3805/OSL Gasoline Alley, D, May-97, EA
- 780, FTD -91, Quarterly Progress Rpt for Operations, Maintenance, & Sampling from 1 Jan to 31 March 97 Extract & Treat Bldg 2140, F, Apr-97, EA
- 781, FTD -30-3805, Draft Operation & Maintenance Summary Report 12Jul96-15Sep96 Package Treatment System Area 3805 (RW3), D, May-97, Radian
- 783, FTD -8, Design Analysis Report Airfield Landfill Cover Improvements 65%, D, May-97, CDM
- 784, FTD -8, Remedial Action Cover Improvements 65% (Maps-Drawings), D, May-97, CDM
- 785, FTD -8, Airfield Landfill Cover Improvements Specifications 65%, D, May-97, CDM
- 788, FTD -30-3805, Re-Analyses of CDM Federal Programs Slug Test Data on T3805 Monitoring Wells, F, May-97, EA
- 789, FTD -8, Airfield Landfill Cover Improvements Cost Estimate 65% Submittal, D, May-97, CDM
- 797, FTD -30-1595, Quarterly Report of O&M Technical Support-Building 1599 Treatment System Gasoline Alley, D, May-97, EA

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- 802, FTD -30-1795, Draft Second Semi-Annual Surface Water Sampling Report Area 1795 Creek Gasoline Alley Ft Drum, NY, D, May-97, EA
- 803, FTD -30-1795, Draft Work Plan Aquifer Air Sarging Soil Vapor Extraction Pilot Study Area 1795 Gasoline Alley, D, May-97, EA
- 804, FTD -30-1595, Final First Semi Annual Surface Water Sampling Report September 1996, Area 1595 Creek Gasoline Alley, F, May-97, EA
- 805, FTD -30-1595, Draft Second Semi Annual Surface Water Sampling Report Area 1595 Creek Gasoline Alley, D, May-97, EA
- 806, FTD -30-1795, Final First Semi Annual Surface Water & Sediment Sampling Report Area 1795 Creek Gasoline Alley September 1996, F, May-97, EA
- 811, FTD -30, Disposal Documents for Areas 1295, 1395, 1495 & 1595, F, Apr-97, HighAcre
- 815, FTD -7, Draft Quarterly Seep Monitoring Program Report Old Sanitary Landfill Gasoline Alley Fort Drum, NY (event July 96 to April 97), D, Jun-97, EA
- 815, FTD -30, Draft Quarterly Seep Monitoring Program Report Old Sanitary Landfill Gasoline Alley Fort Drum, NY, D, Jun-97, EA
- 816, FTD -30-1795, Monthly Report of Progress Area 1795 Pilot treatment System Study, Gasoline Alley, Fort Drum NY, D, Jan-97, EA
- 819, FTD -30, Fourth Quarter 1996 Groundwater Sampling Results, Gasoline Alley, F, Jun-97, MP
- 820, FTD -87, Maps-Cover Sheet/Drawing Index Demolition Plan-Demolition Details, F, Jun-97, COE
- 821, FTD -72, Fort Drum New Jersey Army National Guard Quarterly GroundWater Monitoring Quarter 10, D, Apr-97, Geomatri
- 822, FTD -7, Maps Interim Corrective Measures Old Sanitary Landfill, F, Apr-97, COE
- 824, PIRP, Public Involvement & Response Plan (Pirp) for Installation Restoration Program Activities at Fort Drum, NY, F, Jun-97, WC
- 828, FTD -91, Petro-Tite Testing (3USTs) Results (2copies) P-2140 March-April 1997 Both copies enlcosed, F, Apr-97, Adironda
- 829, FTD -30-1795, Draft Work Plan Bioslurping Pilot Study Areas 1795 & 3805 Gasoline Alley Ft Dr NY, D, Jun-97, EA
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- 830, FTD -30-1595, Draft Report Building 1599 Treatment System Upgrades Area 1595 Gasoline Alley, DR, Jun-97, EA
- 831, SWMU, Four New Solid Waste Management Units Sampling & Analysis Letter Report, D, Jun-97, MP
- 833, FTD -30-1795, Final Work Plan Aquifer Air Sparging/Soil Vapor Extraction Pilot Study Area 1795 Gasoline Alley Ft Dr NY, F, Jul-97, EA
- 835, FTD -7, Final Work Plan Addendum Separate-Phase Product Plume Delineation Study Area 3805/Old Sanitary Landfill, F, Jun-97, EA
- 835, FTD -30-3805, Final Work Plan Addendum Separate-Phase Product Plume Delineation Study Area 3805/Old Sanitary Landfill, F, Jun-97, EA
- 836, -, US Army Restoration Pillar Technology Team Meeting, 2-3 June 97 Proceedings/Reference Guide, D, Jun-97, USAEC

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- 837, FTD -76, Second Quarter Sampling Data Collected From the Wells at Bldg T-4002, Quality Control Summary Report, Contour Map, D, Jul-97, CDM
- 842, REF, Interim Procedures for Inactivation of Petroleum-Impacted Sites, D, Jan-97, NYSDEC
- 843, FTD -30-3805, Operation & Maintenance Summary Report 12Jul96-15Sep96 Package Treatment System Area 3805-RW3, F, Jun-97, Radian
- 844, FTD -8, Draft Post-Closure Operations and Maintenance Plan for Airfield Sanitary Landfill, D, Jul-97, CDM
- 845, FTD -91, Draft Performance Evaluation Report GW Extraction & Treatment & Free Product Recovery Systems Bldg P-2140, D, Jul-97, EA
- 846, FTD -30-1795, Final Work Plan Bioslurping Pilot Study Areas 1795 & 3805 Gasoline Alley Ft Dr NY, F, Jul-97, EA
- 846, FTD -30-3805, Final Work Plan Bioslurping Pilot Study Areas 1795 & 3805 Gasoline Alley Ft Dr NY, F, Jul-97, EA
- 847, FTD -30-1795, Quarterly Report of Progress Area 1795 Pilot Treatment System Study April-June 97 Gasoline Alley, F, Aug-97, EA
- 848, FTD -30-3805, Report of Progress Area 3805 Pilot Treatment System Study April-June1997 Gasoline Alley, F, Aug-97, EA
- 849, FTD -30-1595, Groundwater Modeling Study Area 1595 Gasoline Alley FTD NY, D, Aug-97, MP
- 850, FTD -30-3805, Monthly Operating Report, Area 3805 RW-3 (GW treatment system) June 1997, F, Jun-97, Radian
- 851, FTD -7, Groundwater Modeling Report Areas 1795 and 3805/Old Sanitary Landfill Fort Drum, NY, F, Oct-97, WES
- 851, FTD -30-1795, Groundwater Modeling Report Areas 1795 and 3805/Old Sanitary Landfill Fort Drum, NY, F, Oct-97, WES
- 851, FTD -30-3805, Groundwater Modeling Report Areas 1795 and 3805/Old Sanitary Landfill Fort Drum, NY, F, Oct-97, WES
- 854, FTD -30-3805, Operation & Maintenance Summary Rpt Package Treatment System 12Jul-15Sep96, F, Jul-97, Radian
- 855, FTD -91, Quarterly Progress Rpt Operations, Maintenance, Sampling 1April-30June97 Building P-2140, F, Aug-97, EA
- 856, FTD -72, Quarterly Groundwater Monitoring Program Report June 97 Sampling Event NJARNG, D, Aug-97, EA
- 857, FTD -30-1595, Draft-Final Comprehensive Contaminant Assessment Report Volume III Area 1595 Gasoline Alley Ft Dr NY, DF, Aug-97, EA
- 861, FTD -30-1595, General Work Plan Surface Water Impoundment Restorations & Installation of Flow Measurement Revised Final, RF, May-97, DOW
- 863, FTD -7, Stream Gauging Program Report, OSL Creek, Gasoline Alley, Fort Drum, New York (event July 96 to April 97), F, Aug-97, EA
- 864, FTD -30-3805, Monthly Operating Report, Area 3805 RW-3 (pump & treat system) July 1997, F, Jul-97, Radian
- 865, FTD -7, General Work Plan, Drum Removal and Slope Stabilization, OSL, Ft. Drum, NY, D, Aug-97, Radian
- 866, FTD -7, Addendum No.1 to the Site Safety & Health Plan 4/29/96 (Rev.2) Drum Remov. & Slope Stabilization, OSL, Ft. Drum NY, D, Aug-97, Radian

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- 869, FTD -30-1595, Draft Stream Gauging Report-August 1997, Area 1595 Creek, Gasoline Alley, FTD NY, D, Sep-97, EA
- 870, FTD -30-1395, Results of Constant Rate & In-Situ Respiration Tests, Gasoline Alley Area 1395 & 1495, D, Aug-97, Radian
- 870, FTD -30-1495, Results of Constant Rate & In-Situ Respiration Tests, Gasoline Alley Area 1395 & 1495, D, Aug-97, Radian
- 871, FTD -30-1395, Operations & Maintenance Plan Bioventing/Soil Vapor Extraction Treatment Systems, Areas 1395 & 1495 (Vol 1 of 6), D, Sep-97, Radian
- 871, FTD -30-1495, Operations & Maintenance Plan Bioventing/Soil Vapor Extraction Treatment Systems, Areas 1395 & 1495 (Vol 1 of 6), D, Sep-97, Radian
- 873, FTD -30-1795, Draft-Final Comprehensive Contaminant Assessment Report, Volume IV, Area 1795/WWII Landfill, Gasoline Alley, FTD, D/F, Sep-97, EA
- 873, FTD -30-WWII, Draft-Final Comprehensive Contaminant Assessment Report, Volume IV, Area 1795/WWII Landfill, Gasoline Alley, FTD, D/F, Sep-97, EA
- 874, FTD -87, Completion of Monitoring Well Decommissioning, Hancock Field Army Complex, Syracuse, NY, F, Sep-97, Radian
- 875, FTD -93, Remediation of Storm Sewer Outfall, Hancock Field Army Complex, Syracuse, New York, D/F, Sep-97, Envir/FTD
- 876, FTD -30, First Quarter 1997 Groundwater Sampling Results, Gasoline Alley, Fort Drum, FTD, NY, F, Sep-97, MP
- 877, FTD -30-3805, Monthly Operating Report, Area 3805 RW-3 (GW treatment system), August, 1997, F, Aug-97, Radian
- 878, FTD -8, Post-Closure Operations & Maintenance Plan for Airfield Sanitary Landfill, Fort Drum, New York, F, Sep-97, CDM
- 879, FTD -7, General Work Plan Drum Removal & Slope Stabilization Old Sanitary Landfill, Ft. Drum, NY (& HASP Adden), F, Sep-97, Radian
- 880, FTD -76, Third Quarter Sampling Data Building T-4002 (August 1997), D, Oct-97, CDM
- 881, FTD -30-1595, Gasoline Alley Soil Remediation, Ft Dr NY Site 1595 (Golden Pond) As-Built Drawing, D, Sep-97, Radian
- 882, FTD -8, Airfield Sanitary Landfill 100% Specifications Cover Improvements, F, Sep-97, CDM
- 883, FTD -8, Airfield Sanitary Landfill 100% Specs Cover Improvements Drawings Existing Site Layout & Erosion Control Plan, F, Sep-97, CDM
- 884, FTD -7, Third Semi Annual Surface Water & Sediment Sampling Results Old Sanitary Landfill (July 29 & 31, 97), F, Oct-97, MP
- 885, IRP, Installation Restoration Program (IRP) Manual 1997, F, Feb-97, -
- 886, FTD -8, Annual GW Sampling Data Airfield Sanitary Landfill Appendix E of report 887 (for event 8/97) (Large Envelope), F, Sep-97, CDM
- 887, FTD -8, Annual Sampling Data, Airfield Sanitary Landfill (August 1997 event), F, Oct-97, CDM
- 888, FTD -30-3805, Report of Progress Area 3805 Pilot Treatment System Study event July-Sept 97 Gasoline Alley, F, Nov-97, EA
- 889, FTD -30-3805, Monthly Operating Report Area 3805 RW-3 event August 28 - Sept 25 1997, F, Sep-97, Radian

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- 891, FTD -30-1795, Final Well Monitoring Program Report Area 1795 Gasoline Alley event April 96 - March 97 , F, Oct-97, EA
- 892, FTD -30-1595, Final Second Semi Annual Surface Water Sampling Report Area 1595 Creek Gasoline Alley, F, Oct-97, EA
- 900, FTD -76, Safety & Health Phase Out Report Remedial Action Building T-4002 Volume I, F, Jan-97, Dames
- 901, FTD -76, Safety & Health Phase Out Report Remedial Action Building T-4002 Volume II, F, Jan-97, Dames
- 902, FTD -91, Quarterly Report of Progress Building P-2140 Interim Treatment System Pilot Study 1 July to 30 Sept 97, F, Nov-97, EA
- 903, FTD -7, Final Quarterly Seep Monitoring Program Report Old Sanitary Landfill Gas Alley, Ft Dr NY, F, Nov-97, EA
- 905, FTD -30-1795, Final Stream Gauging Program Report July 1996 April 1997 Area 1795 Creek Gasoline Alley Ft Dr NY, F, Aug-97, EA
- 906, FTD -30-1595, Final Stream Gauging Program Report July 1996 March 1997 Area 1595 Creek Gasoline Alley Ft Dr NY, F, Aug-97, EA
- 907, FTD -8, Airfield Sanitary Landfill Design Analysis 100% Submittal Cover Improvements, F, Sep-97, CDM
- 908, FTD -30-1395, Monthly Report of Treatment System Operations, FTD, Gasoline Alley, Areas 1395 & 1495 (for 9/24-10/2), F, Oct-97, Radian
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- 909, FTD -72, Quarterly Groundwater Monitoring Program Report Sept 97 Sampling Event NJARNG, F, Nov-97, EA
- 910, FTD -30-1595, Final Stream Gauging Report Aug 97 Area 1595 Gasoline Alley Ft Dr NY, F, Nov-97, EA
- 911, FTD -30-1595, Final Report Building 1599 Treatment System Upgrades Area 1595 Gasoline Alley Ft Dr NY, F, Nov-97, EA
- 912, FTD -8, Airfield Sanitary Landfill Cost Estimate 100% Submittal Cover Improvements, F, Sep-97, CDM
- 913, FTD -30-1795, Draft Bioslurping Pilot Study Report Areas 1795 & 3805 Gasoline Alley Ft Dr NY, D, Nov-97, EA
- 913, FTD -30-3805, Draft Bioslurping Pilot Study Report Areas 1795 & 3805 Gasoline Alley Ft Dr NY, D, Nov-97, EA
- 915, FTD -76, Draft Remedial Action Report for Building T-4002 Ft Dr NY, D, Nov-97, CDM
- 916, FTD -30-1595, Quarterly Report of O & M Technical Support Building 1599 Treatment System July-October 1997, Gas Alley Ft Dr, F, Nov-97, EA
- 917, FTD -30-1595, Stream Gauging Program Report, November 1997, Area 1595, Gasoline Alley, Fort Drum, New York, D, Nov-97, EA
- 918, FTD -89, UVB Well/Circulation Cell Evaluation Building T-1245 Fort Drum, D, Sep-97, COE
- 919, FTD -30-3805, Monthly Operating Report Area 3805 RW-3 October 1997, F, Oct-97, Radian

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- 920, FTD -74, Decommissioning of Monitoring Wells P44-001 and P44-002 Battery Shop Building P-44, FDMR, Fort Drum, NY, F, Dec-97, EA
- 921, FTD -74, Field Investigation & Remedial Action Report Battery Shop Building P-44, F, Dec-97, EA
- 922, FTD -30, Second Quarter 1997 Groundwater Sampling Results Gasoline Alley, Fort Drum, New York, F, Dec-97, MP
- 923, FTD -22, GW Monitoring at EOD Burn Sites Ranges 17 & 35 Site Investigations 1995 Year 1-1996 Year 2-1997, D, Dec-97, MP
- 923, FTD -24, GW Monitoring at EOD Burn Sites Ranges 17 & 35 Site Investigations 1995 Year 1-1996 Year 2-1997, D, Dec-97, MP
- 924, FTD -30-1795, Gasoline Alley, FTD Bioremediation Evaluation Area 1795 Phase I & II, D, Dec-97, WES
- 926, GIS, 1997 GIS Database Update Fort Drum, NY w/data disk, F, Dec-97, Radian
- 927, FTD -30-1595, Gasoline Alley FTD Bioremediation Evaluation Area 1595 Phase I & II, D, Dec-97, WES
- 928, FTD -30-3805, Monthly Operating Report, Area 3805 RW-3, November 1997, F, Nov-97, Radian
- 929, FTD -30-1595, Revised Draft Groundwater Modeling Study Area 1595 Gasoline Alley, D, Oct-97, MP
- 930, FTD -30-3805, Monthly Operating Report Area 3805 RW-3 December 1997, F, Dec-97, Radian
- 952, FTD -93, As Builts for Sage Storm Sewer Outfall RA Completed 1997, F, Nov-97, EnviroCon
- 959, FTD -30-1395, O & M Maintenance Manual for Radian International LLC Fort Drum Military Reservation Volume 3 , F, Jan-97, GlobalTec
- 959, FTD -30-1495, O & M Maintenance Manual for Radian International LLC Fort Drum Military Reservation Volume 3 , F, Jan-97, GlobalTec
- 960, FTD -30-1395, Bristol Babcock Inc Equipment Manual Radio Telemetry Radian International LLC O & M Manual Volume 5, F, Jan-97, BristolBa
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- 961, FTD -30-1395, O & M Maintenance Manual Soil Vapor Extraction/Air Sparging System, Areas 1395 & 1495, Vol 2, F, -, Fliteway
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- 963, FTD -30-1395, O & M Maintenance Manual for Radian International LLC Fort Drum Military Reservation Volume 4, F, Jan-97, GlobalTec
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- 964, PIRP, Public Involvement and Response Plan (PIRP) for Installation Restoration Program Activities at Fort Drum, NY, F, Oct-97, WC
- 981, REF, BMPs for Soil Treat. Tech: Suggest. Oper. Guide to Prevent Cross-Media Transfer of Contam. During Cleanup Activities, F, May-97, EPA
- 991, FTD -30-1395, Volume I of II General Work Plan Bioventing & SVE System Installation Areas 1395 & 1495 Gas A. FTD NY, F, Feb-97, Radian

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- 1027, FTD -30-1795, Quarterly Report of Progress Area 1795 Pilot Treatment System Study July to September 1997 Gasoline Alley Ft Dr NY, F, Oct-97, EA
- 1034, FTD -76, Freedom of Information Act Documents Requested on 5/22/97 (copies, large envelope), F, May-97,
- 996, IAP, Installation Restoration Program Action Plan Guidance, F, Jan-97, USAEC
- 1150, FTD -76, 4002 Confirmation Soil Sampling Pesticides/Herbicides 1st Round Oct 1996; Chemical Quality Summary Rpt; etc (box), F, May-97, R&R
- 1167, FTD -30-1395, Fort Drum Locations 1395 and 1495 Operations and Maintenance Manual SVE/AAS Systems Vol. 2 of 6, F, Jan-97, Radian
- 1167, FTD -30-1495, Fort Drum Locations 1395 and 1495 Operations and Maintenance Manual SVE/AAS Systems Vol. 2 of 6, F, Jan-97, Radian
- 1168, FTD -30-1395, Operations and Maintenance Manual for Radian International FTD (Catalytic Oxidizer Unit) Vol. 3 of 6, F, Jan-97, Radian
- 1168, FTD -30-1495, Operations and Maintenance Manual for Radian International FTD (Catalytic Oxidizer Unit) Vol. 3 of 6, F, Jan-97, Radian
- 1169, FTD -30-1395, Operations and Maintenance Manual for Radian International FTD (Catalytic Oxidizer Unit) Vol. 4 of 6, F, Jan-97, Radian
- 1169, FTD -30-1495, Operations and Maintenance Manual for Radian International FTD (Catalytic Oxidizer Unit) Vol. 4 of 6, F, Jan-97, Radian
- 1170, FTD -30-1395, Bristol Babcock Equipment Manual Radio Telemetry System Operations and Maintenance Manual Vol 5 of 6, F, Jan-97, Radian
- 1170, FTD -30-1495, Bristol Babcock Equipment Manual Radio Telemetry System Operations and Maintenance Manual Vol 5 of 6, F, Jan-97, Radian
- 1171, FTD -30-1395, Bristol Babcock Distributed Process Controllers DPC 3330 for Radian International O&M Manual Vol 6 of 6, F, Jan-97, Radian
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- 1241, FTD -30-3805, Report of Progress - Area 3805 Pilot Treatment System Study, Gasoline Alley, FTD, NY, F, Apr-97, EA
- 1242, FTD -31, Groundwater Sampling at T-91 Site, Fort Drum (March 19, 1997), F, Apr-97, Weston

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- 925, FTD -30-1595, Summary of Activities December 1997 Operation & Maintenance Technical Support Building 1599, Ft Dr NY, F, Jan-98, EA
- 931, FTD -91, Performance Evaluation Rpt. GW Extract. & Treat. & FP Recovery Sys., Bldg. P-2140, March 1996 - March 1997, F, Jan-98, EA
- 932, FTD -30-3805, Quarterly Report of Progress Area 3805 Pilot Treatment System Study October-December 97 Gas Alley, F, Jan-98, EA

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- 935, FTD -30-1595, Summary of Activities January 1998 Operation & Maintenance Technical Support Building 1599, F, Jan-98, EA
- 936, FTD -30-1795, Quarterly Report of Progress Area 1795 Pilot Treatment System Study October-December 97 Gas Alley, F, Jan-98, EA
- 937, FTD -72, Quarterly Groundwater Monitoring Program Report December 1997 Sampling Event NJANG Facility, Ft Dr NY, F, Jan-98, EA
- 938, FTD -91, Quarterly Rpt of Progress Building P-2140 Interim Treatment Sys Pilot Study Ft Dr NY(PP: 1 Oct - 31 Dec 97), F, Jan-98, EA
- 939, FTD -7, Comprehensive Contaminant Assessment Rpt Volume V Areas 1895, 1995, 3805 & OSL, Gas Alley, Fort Drum, NY, DF, Jan-98, EA
- 939, FTD -30-1895, Comprehensive Contaminant Assessment Rpt Volume V Areas 1895, 1995, 3805 & OSL, Gas Alley, Fort Drum, NY, DF, Jan-98, EA
- 939, FTD -30-1995, Comprehensive Contaminant Assessment Rpt Volume V Areas 1895, 1995, 3805 & OSL, Gas Alley, Fort Drum, NY, DF, Jan-98, EA
- 939, FTD -30-3805, Comprehensive Contaminant Assessment Rpt Volume V Areas 1895, 1995, 3805 & OSL, Gas Alley, Fort Drum, NY, DF, Jan-98, EA
- 942, FTD -30-1795, Aquifer Air Sparge/Soil Vapor Extraction Pilot Study Report, Area 1795 Gasoline Alley, Fort Drum, NY, D, Jan-98, EA
- 943, FTD -30-1395, Results of Constant Rate and In Situ Respiration Tests Gasoline Alley Areas 1395 & 1495 Fort Drum NY, F, Feb-98, Radian
- 943, FTD -30-1495, Results of Constant Rate and In Situ Respiration Tests Gasoline Alley Areas 1395 & 1495 Fort Drum NY, F, Feb-98, Radian
- 944, FTD -30-1595, Summary of Activities February 1998 Operation and Maintenance Technical Support Bldg 1599, Ft Dr, NY, F, Feb-98, EA
- 945, FTD -76, Fourth Quarter Sampling Data Building T-4002 Fort Drum, NY (event 20 Nov 97), F, Feb-98, CDM
- 946, FTD -30-3805, Recovery Well and Monitoring Well Installation Summaries for 1997 Field Season Area 3805 Gasoline Alley, F, Feb-98, EA
- 947, REF, Annual Report to Congress for Fiscal Year 1996 Defense Environmental Restoration Program Vol 1 & 2, F, Jan-98, DoD
- 949, FTD -8, Maps for Final Specifications Airfield Sanitary Landfill Cover Improvements, F, Jan-98, CDM
- 950, FTD -8, Final Specifications Airfield Sanitary Landfill Cover Improvements, F, Jan-98, CDM
- 951, FTD -8, Final Design Analysis Report Airfield Sanitary Landfill Cover Improvements, F, Jan-98, CDM
- 953, FTD -30-3805, Monthly Operating Report Area 3805 RW-3 January 1998, F, Jan-98, Radian
- 954, FTD -30-3805, Monthly Operating Report Area 3805 RW-3 February 1998, F, Feb-98, Radian
- 956, FTD -30-1595, Summary of Operation and Maintenance Technical Support Building 1599, Fort Drum, NY (event January-March 1998), F, Mar-98, EA
- 957, FTD -93, Storm Sewer Outfall Remediation Hancock Field Army Complex Syracuse, NY Completion of Work, F, Mar-98, COE
- 962, FTD -30-1395, O & M Maintenance Plan Bioventing/Soil Vapor Extraction Treatment Systems, Areas 1395 & 1495, Vol 1, F, Feb-98, Radian

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- 965, FTD -30-3805, Monthly Operating Report, Area 3805 RW-3, March 1998, F, Mar-98, Radian
- 966, FTD -30-3805, Interim Remedial Measure Recommendation Report Area 3805 Gasoline Alley Fort Drum, New York, D, Apr-98, EA
- 967, FTD -30-1795, Aquifer Air Sparging/Soil Vapor Extraction Pilot Study Report Area 1795 Gasoline Alley, Fort Drum, NY, F, Apr-98, EA
- 968, FTD -30-3805, Quarterly Report of Progress Area 3805 Pilot Treatment System Study January-March 98 Gasoline Alley, F, Apr-98, EA
- 969, FTD -30-1595, Summary of Activities April 1998 Operation and Maintenance Technical Support Building 1599 Ft Dr NY, F, Apr-98, EA
- 970, FTD -72, Quarterly GW Monitoring Program Report, March 1998 Sampling Event, New Jersey Army National Guard, F, Apr-98, EA
- 971, FTD -30-1595, Surface Water Impoundment Restorations, Installation of Flow Measurement Devices Gas Alley Area 1595, D, Apr-98, Radian
- 972, FTD -30-1595, Summary of Activities May 1998 Operation & Maintenance Technical Support Building 1599, Fort Drum, NY, F, May-98, EA
- 976, FTD -76, Fifth Quarter Groundwater Sampling Data Building T-4002 Fort Drum, New York, F, May-98, CDM
- 980, FTD -91, Performance Evaluation Rpt. GW Extract. & Treat. & FP Recovery Sys., Bldg. P-2140, April 1997 - March 1998, D, May-98, EA
- 982, RAB, U.S. Army Restoration Advisory Board Technical Assistance for Public Participation Guidance, F, Apr-98, USAEC
- 983, FTD -30-1595, Quarterly Report of O & M Technical Support, April June-1998, Building 1599 Treatment System, Gas Alley, F, Jun-98, EA
- 984, FTD -30-1395, Work Plan For In-Situ Respiration Test Gasoline Alley Areas 1395 & 1495 Fort Drum, New York, D, Jun-98, Radian
- 984, FTD -30-1495, Work Plan For In-Situ Respiration Test Gasoline Alley Areas 1395 & 1495 Fort Drum, New York, D, Jun-98, Radian
- 985, FTD -22, Groundwater Monitoring at Explosive Ordnance Disposal (EOD) Burn Sites Ranges 17 & 35 Ft Dr NY, F, Jun-98, MP
- 985, FTD -24, Groundwater Monitoring at Explosive Ordnance Disposal (EOD) Burn Sites Ranges 17 & 35 Ft Dr NY, F, Jun-98, MP
- 986, FTD -30-1595, Gasoline Alley, Fort Drum Bioremediation Evaluation Area 1595 Phase 1 & Phase 2, F, May-98, WES
- 987, FTD -30-1795, Gasoline Alley, Fort Drum Bioremediation Evaluation Area 1795 Phase I & Phase II, F, Jun-98, WES
- 988, FTD -8, Remedial Action Work Plan, ASL Improvements at Fort Drum, NY, D, Jun-98, Tug Hill
- 989, FTD -8, Environmental Protection Plan, ASL Improvements at Fort Drum, NY, D, Jun-98, Tug Hill
- 990, FTD -30-1595, Summary of Activities - July 1998 O&M Technical Support, Building 1599, Fort Drum, NY, F, Jul-98, EA
- 995, REF, Environmental Site Closeout Process Guidance Developed by a joint AF/A/N/EPA Working Group, D, Jan-98,

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- 999, FTD -30, First Semi-Annual 1998 Groundwater Sampling Event Results Gasoline Alley Fort Drum, NY (w/1-disk), F, Jul-98, Pirnie
- 1000, FTD - 91, Qtrly Rpt of Progress-Bldg P-2140 Interim Treatment System Pilot Study FTD NY (pp 1 April-30 June 1998), F, Jul-98, EA
- 1001, FTD -8, Environmental Protection Plan, Airfield Sanitary Landfill Improvements at Fort Drum, NY, D/F, Jul-98, Tug Hill
- 1002, FTD -8, Remedial Action Work Plan, Airfield Sanitary Landfill Improvements at Fort Drum, NY, D/F, Jul-98, Tug Hill
- 1003, FTD -8, Revised drawing G1 for CDM's Final Design for ASL Cover Improvements, F, Jan-98, CDM
- 1004, FTD -30-1595, Annual Stream Gauging & SW/Sediment Sampling Report Area 1595 Creek Gasoline Alley FTD NY, D, Jul-98, EA
- 1005, FTD -31, Groundwater Sampling at Building T-91, Fort Drum, NY Round 9 Results (April 1998), F, Jul-98, Weston
- 3007, GIS, New Version of GIS/Access databases on CD-ROM (includes 1 CD-handbook, IRPMVAIS, validvals), F, Jun-98, Radian
- 1008, FTD -7, Summary of Surface Water and Sediment Sampling Results, OSL, FTD, NY (4 events: 7/96-6/98), F, Jul-98, M Pirnie
- 1010, IRP, Monitoring Well Abandonment Activities at Fort Drum, New York (10 wells, base-wide, July 1998 event), F, Aug-98, CDM
- 1012, FTD -22, Draft Report GW Monitoring at Explosive Ordnance Disposal (EOD): Burn Sites, Ranges 17 & 35 FD, NY , D, Aug-98, Pirnie
- 1012, FTD -24, Draft Report GW Monitoring at Explosive Ordnance Disposal (EOD): Burn Sites, Ranges 17 & 35 FD, NY , D, Aug-98, Pirnie
- 1013, FTD -30-3805, Quarterly Report of Progress Area 3805 Pilot Treatment System Study, Apr-Jun 1998 Gas. Alley, FTD NY, F, Aug-98, EA
- 1015, FTD -30-3805, Monthly Operating Report Area 3805 RW-3 July 1998, F, Jul-98, Radian
- 1016, FTD -30-3805, Monthly Operating Report Area 3805 RW-3 June 1998, F, Jun-98, Radian
- 1017, FTD -30-3805, Monthly Operating Report Area 3805 RW-3 May 1998, F, May-98, Radian
- 1018, FTD -30-3805, Monthly Operating Report Area 3805 RW-3 April 1998, F, Apr-98, Radian
- 1024, FTD -8, Airfield Sanitary Landfill Site Visit, F, Sep-98, CDM
- 1025, FTD -8, Annual Sampling (groundwater) Data July 1998, F, Sep-98, CDM
- 1026, FTD -30-1395, Gas Alley Soil Remediation Final Work Plan for In-Situ Respiration Test Areas 1395 & 1495, F, Sep-98, Radian
- 1026, FTD -30-1495, Gas Alley Soil Remediation Final Work Plan for In-Situ Respiration Test Areas 1395 & 1495, F, Sep-98, Radian
- 1028, FTD -30-1795, Draft Work Plan Bioslurping Pilot Study Area 1795 Gasoline Alley Fort Drum, New York, D, Sep-98, EA
- 1029, REF, FY97 Defense Environmental Restoration Program Annual Report to Congress March 31, 1998, F, Mar-98, DoD
- 1031, FTD -91, Performance Evaluation Rpt, GW Extraction & Treatment & FProduct Recovery Sys Bldg P-2140, 4/97-3/98, F, Oct-98, EA
- 1032, FTD -7, Data Consolidation and Evaluation Conceptual Site Model Development Gasoline Alley and Old Sanitary Landfill, F, Sep-98, MP
- 1032, FTD -30, Data Consolidation and Evaluation Conceptual Site Model Development Gasoline Alley and Old Sanitary Landfill, F, Sep-98, MP

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- 1033, FTD -30-1595, Groundwater Modeling Study Area 1595 Gasoline Alley Fort Drum, New York, F, Oct-98, MP
- 1035, FTD -30-1795, Bioslurping Study Report Areas 1795 & 3805 Gasoline Alley Fort Drum, New York, F, Oct-98, EA
- 1037, FTD -89, UVB Pilot Study Report Building T-1245 Fort Drum, New York, D, Sep-98, Weston
- 1038, FTD -30-1795, Final Comprehensive Contaminant Assessment Report Volume IV Area 1795/WWII Landfill Gasoline Alley Ft Dr NY, F, Oct-98, EA
- 1038, WWII , Final Comprehensive Contaminant Assessment Report Volume IV Area 1795/WWII Landfill Gasoline Alley Ft Dr NY, F, Oct-98, EA
- 1039, FTD -30-1595, Final Comprehensive Contaminant Assessment Report Volume III Area 1595 Gasoline Alley Fort Drum, NY, F, Oct-98, EA
- 1040, FTD -7, Old Sanitary Landfill Wetlands Evaluation Technique (WET) Baseline Conditions Assessment & Results Ft Dr NY, F, Oct-98, MP
- 1041, FTD -30-1395, Gasoline Alley Soil Remediation Quarterly Update of Treatment System Operations Areas 1395 & 1495, F, Oct-98, Radian
- 1041, FTD -30-1495, Gasoline Alley Soil Remediation Quarterly Update of Treatment System Operations Areas 1395 & 1495, F, Oct-98, Radian
- 1042, FTD -22, Groundwater Monitoring at EOD Burn Sites Ranges 17 & 35 Fort Drum, NY w/CD , F, Oct-98, MP
- 1042, FTD -24, Groundwater Monitoring at EOD Burn Sites Ranges 17 & 35 Fort Drum, NY w/CD , F, Oct-98, MP
- 1043, FTD -91, Quarterly Report of Progress Building P-2140 Interim Treatment System Pilot Study Fort Drum, New York, F, Nov-98, EA
- 1044, FTD -112, General Work Plan Range 17 POL Spill Fort Drum, New York, F, Nov-98, Radian
- 1045, FTD -30-1595, Annual Stream Gauging & SW/Sediment Sampling Report Area 1595 Creek Gasoline Alley FTD NY, F, Nov-98, EA
- 1046, FTD -30-1795, Annual Stream Gauging & SW/Sediment Sampling Report Area 1795 Creek Gasoline Alley FTD NY, F, Nov-98, EA
- 1047, FTD -30, Health Risk Assessment Work Plan Ft Dr NY Gas Alley, WWII Landfill & Old Sanitary Landfill, D, Dec-98, MP
- 1048, FTD -30-3805, Area 3805 Well Installation Report-October 1998 Gasoline Alley Fort Drum, New York, F, Dec-98, EA
- 1049, FTD -30-3805, Quarterly Report of Progress Area 3805 Pilot Treatment System Study July-Sept 1998 Gasoline Alley Fort Drum, NY, F, Dec-98, EA
- 1050, FTD -30-3805, Comprehensive Contaminant Assessment Volume V Areas 1895, 1995, 3805 & OSL Gasoline Alley Ft Dr NY, F, Dec-98, EA
- 1051, FTD -30-1795, Work Plan Bioslurping Pilot Study Area 1795, Gasoline Alley Fort Drum, New York, F, Dec-98, EA
- 1052, FTD -3, Health Risk Assessment Work Plan Fort Drum, New York, Gasoline Alley, WWII Landfill, Old Sanitary Landfill, D, Dec-98, MP
- 1052, FTD -7, Health Risk Assessment Work Plan Fort Drum, New York, Gasoline Alley, WWII Landfill, Old Sanitary Landfill, D, Dec-98, MP
- 1052, FTD -30-WWII, Health Risk Assessment Work Plan Fort Drum, New York, Gasoline Alley, WWII Landfill, Old Sanitary Landfill, D, Dec-98, MP

Previous Studies (continued):

1998

- 1085, FTD -8, ASL Cover Improvement Original Ground Topography (Drawing), F, Jul-98, Thew
- 1086, FTD -8, ASL Cover Improvement Top of Sand Topography (Drawing), F, Aug-98, Thew
- 1087, FTD -8, Final As-built Survey Airfield Sanitary Landfill Fort Drum Military Reservation Tug Hill Construction, Inc. (Drawing), F, Oct-98, Thew
- 1088, FTD -8, Safety and Health Phase-out Report (Airfield Sanitary Landfill Improvements at Fort Drum, NY), F, Sep-98, ECG Indus

1999

- 1054, FTD -30-3805, Summary of Area 3805 Treatment System Upgrades August-September 1998, Gasoline Alley, FT DR, NY, F, Jan-99, EA
- 1057, FTD -8, ASL Cover Improvements Project Final As Built Record Drawings Disk, F, Jan-99, Envir Cons
- 1058, FTD -91, Quarterly Report of Progress Building P-2140 Interim Treatment System Pilot Study Fort Drum, New York, F, Jan-99, EA
- 1059, FTD -30-1395, Results of Quarterly in Situ Respiration Test December 1998 Gasoline Alley Areas 1395 & 1495 Fort Drum, New York, D, Jan-99, Radian
- 1059, FTD -30-1495, Results of Quarterly in Situ Respiration Test December 1998 Gasoline Alley Areas 1395 & 1495 Fort Drum, New York, D, Jan-99, Radian
- 1060, FTD -30-3805, Quarterly Report of Progress Area 3805 Pilot Treatment System Study October - December 1998 Gas Alley Ft Dr NY, F, Feb-99, EA
- 1061, FTD -30, Second Semi Annual 1998 Groundwater Sampling Event Results Gasoline Alley Fort Drum, New York, F, Feb-99, MP
- 1064, FTD -30-1795, Area 1795 Bioslurping Pilot Study Installation & Startup Report Gasoline Alley Fort Drum, New York, D, Feb-99, EA
- 1065, FTD -7, Enhanced Wetlands System & Landfill Surface Drainage Features Old Sanitary Landfill Fort Drum, New York, D, Jan-99, MP
- 1066, FTD -7, Response to Comments on Wk Pln for Constr of Enhanced Wetlands Sys & Landfill Surface Drain OSL, F, Mar-99, MP
- 1067, FTD -30-1795, Area 1795 Bioslurping System Operation and Maintenance Manual Gasoline Alley Fort Drum, New York, D, Feb-99, EA
- 1068, FTD -7, Risk Assessment Work Plan Fort Drum NY Gasoline Alley, WWII Landfill, Old Sanitary Landfill, F, Mar-99, MP
- 1068, FTD -30, Risk Assessment Work Plan Fort Drum NY Gasoline Alley, WWII Landfill, Old Sanitary Landfill, F, Mar-99, MP
- 1068, FTD -30-WWII, Risk Assessment Work Plan Fort Drum NY Gasoline Alley, WWII Landfill, Old Sanitary Landfill, F, Mar-99, MP
- 1069, FTD -30, Fort Drum Gasoline Alley Groundwater Sampling Draft Work Plan Addendum, D, Mar-99, MP
- 1070, FTD -7, OSL Ft Dr NY Wetlands Evaluation Technique (WET) Comparative Summary Assessment and Results, F, Mar-99, MP
- 1071, FTD -30-1395, Area 1395 and 1495 Soil Boring Recommendation, Gasoline Alley, Fort Drum, New York, D, Mar-99, EA
- 1072, FTD -30-1795, Draft Work Plan Data Gap Study Separate-Phase Product Plume Delineation Area 1795 Gas Alley, Fort Drum, NY, D, Mar-99, EA

Previous Studies (continued):

1999

- 1073, FTD -7, OSL, FTD, NY Final Work Plan for Construction of Enhanced Wetlands System and Landfill Drainage Features, F, Mar-99, MP
- 1074, FTD -7, OSL, FTD, NY Enhanced Wetlands System and Landfill Drainage Features (Drawings; 12 sheets), F, Mar-99, MP
- 1075, 91, Draft Remedial Investigation Data Gap Study AAFES Service Station, Building P-2140 Fort Drum, New York, D, Apr-99, EA
- 1076, RA, Data Consolidation and Evaluation Conceptual Site Model Development - Phase II Sites, F, Apr-99, MP
- 1077, FTD -7, Draft Cost Estimate Enhanced Wetlands System & Landfill Surface Drainage Features Old Sanitary Landfill, FTD, NY, D, Jan-99, MP
- 1078, FTD -7, Final Cost Estimate Enhanced Wetlands System & Landfill Surface Drainage Features Old Sanitary Landfill, FTD, NY, F, Apr-99, MP
- 1079, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot Study, FTD, NY (1 Jan - 31 Mar 99), F, Apr-99, EA
- 1080, FTD -30, Fort Drum, Gasoline Alley Groundwater Sampling Final Work Plan Addendum, F, Apr-99, MP
- 1081, FTD -89, UVB Pilot Study Report Building T-1245 Fort Drum, NY, F, Apr-99, Weston
- 1082, FTD -30-1595, Draft Interim Remedial Measure Enhancement Design Area 1595 Gasoline Alley, FTD, NY, D, Apr-99, EA
- 1083, FTD -30-1595, Interim Remedial Measure Enhancement Design Area 1595 Gasoline Alley, FTD, NY (Drawings), D, Apr-99, EA
- 1084, FTD -8, Airfield Sanitary Landfill Remedial Action Implementation Report, F, Apr-99, ECG Indus
- 1089, FTD -30-1795, Quarterly Report of Progress - Area 1795 Bioslurping Pilot Study, F, May-99, EA
- 1090, FTD -31, Groundwater Sampling at Building T-91, Fort Drum, NY Round 10 Results (March 1999), F, May-99, Weston
- 1091, FTD -89, Draft Work Plan Data Gap Study Building 1245, Fort Drum, NY, D, May-99, EA
- 1092, FTD -30, Area 1395 and 1495 Soil Boring Recommendation, Gasoline Alley, Fort Drum, New York, F, May-99, EA
- 1093, FTD -30, Draft Work Plan RI Data Gap Study Source Area Invest., Areas 1595, 1795, 1895, 1995 & 3805 Gas Alley, Ft Drum, NY, D, May-99, EA
- 1094, FTD -30-1595, Final Interim Remedial Measure Enhancement Design Area 1595 Gasoline Alley, Fort Drum, NY, F, May-99, EA
- 1095, FTD -30-1595, Final Interim Remedial Measure Enhancement Design Area 1595 Gasoline Alley, Fort Drum, NY (Drawings), F, May-99, EA
- 1096, FTD -7, Pre-Draft Risk Assessment FTD, NY Gasoline Alley, WWII Landfill, Old Sanitary Landfill, D, Jun-99, MP
- 1096, FTD -30, Pre-Draft Risk Assessment FTD, NY Gasoline Alley, WWII Landfill, Old Sanitary Landfill, D, Jun-99, MP
- 1097, FTD -30-3805, Quarterly Report of Progress - Area 3805 Pilot Treatment System Study, Jan-Mar99, Gasoline Alley, FTD, NY, F, May-99, EA
- 1098, FTD -7, FTD, NY Surface Water & Sediment Monitoring Program-OSL & Areas 1595 & 1795, Gas Alley Draft Work Plan, D, May-99, MP

Previous Studies (continued):

1999

- 1098, FTD -30-1595, FTD, NY Surface Water & Sediment Monitoring Program-OSL & Areas 1595 & 1795, Gas Alley Draft Work Plan , D, May-99, MP
- 1098, FTD -30-1795, FTD, NY Surface Water & Sediment Monitoring Program-OSL & Areas 1595 & 1795, Gas Alley Draft Work Plan , D, May-99, MP
- 1099, FTD -91, Final Remedial Investigation Data Gap Study AAFES Service Station, Building P-2140, FTD, NY, F, Jun-99, EA
- 1100, IRP, Draft Risk Assessment Work Plan, FTD, NY (PHASE II: R17 & 35, Spill Nr R17, T-91, T-1245, P-2140, T-4006, ASL), D, Jul-99, MP
- 1101, FTD -30-1595, Technical approach for Area 1595 Focused Feasibility Study, Gasoline Alley, F, Jul-99, EA
- 1102, FTD -7, Response to comments on draft work plan for OSL, 1595,1795 Surface Water and Sediment Monitoring, F, Jul-99, MP
- 1102, FTD -30, Response to comments on draft work plan for OSL, 1595,1795 Surface Water and Sediment Monitoring, F, Jul-99, MP
- 1103, FTD -91, Remedial Investigation Data Gap Study, AAFES Gas Service Station, Building P-2140, F, Jul-99, EA
- 1104, FTD -91, Technical Proposal for a revised ground-water monitoring program, Building P-2140, F, Jul-99, EA
- 1105, FTD -30, Summary of O&M Technical Support Bldg.1599, Ft Dr, NY (Performance Period April - June 99) , F, Jul-99, EA
- 1106, FTD -30-1795, Final Area 1795 Bioslurping Pilot Study Installation and Startup Report Gasoline Alley, FTD, NY, F, Jul-99, EA
- 1107, FTD -30-1795, Final Area 1795 Bioslurping System Operation and Maintenance Manual Gasoline Alley, FTD, NY, F, Jul-99, EA
- 1108, FTD -30, First Semi-Annual 1999 Groundwater Sampling Event Results - Gasoline Alley, FTD,NY, F, Jul-99, MP
- 1109, FTD -112, Oxygen Releasing Compound (ORC) Application at the Range 17 Spill Site, FTD, NY, F, Jul-99, MP
- 1110, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot Study, FTD, NY (1 Apr - 30 Jun 99), F, Jul-99, EA
- 1111, FTD -7, Fort Drum Surface Water & Sediment Monitoring Program Final Work Plan Addendum (OSL, Areas 1595, 1795), F, Jul-99, MP
- 1111, FTD -30-1595, Fort Drum Surface Water & Sediment Monitoring Program Final Work Plan Addendum (OSL, Areas 1595, 1795), F, Jul-99, MP
- 1111, FTD -30-1795, Fort Drum Surface Water & Sediment Monitoring Program Final Work Plan Addendum (OSL, Areas 1595, 1795), F, Jul-99, MP
- 1112, FTD -91, Extraction Well Cleaning Interim Pilot Study Groundwater Pump & Treat System, Bldg P-2140, FTD, NY, F, Jul-99, EA
- 1113, FTD -30-1395, Draft Results of Soil and Groundwater Sampling May/June 1999 Gasoline Alley Areas 1395 and 1494, FTD, NY, D, Jul-99, Radian
- 1113, FTD -30-1495, Draft Results of Soil and Groundwater Sampling May/June 1999 Gasoline Alley Areas 1395 and 1494, FTD, NY (Disks), D, Jul-99, Radian
- 1114, FTD -30-3805, Quarterly Report of Progress - Area 3805 Pilot Treatment System Study, Apr - Jun 99, Gasoline Alley, FTD, NY, F, Jul-99, EA
- 1115, FTD -8, Groundwater Monitoring Program at Airfield Sanitary Landfill, FTD,NY, D, Jul-99, MP

Previous Studies (continued):

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- 1116, FTD -30-1795, Final Work Plan Data Gap Study, Separate-Phase Product Plume Delineation Area 1795 Gasoline Alley, FTD, NY, F, Jul-99, EA
- 1117, FTD -22, Draft Report Groundwater Monitoring at EOD: Burn Sites, Ranges 17 and 35 FTD, NY, D, Jul-99, MP
- 1117, FTD -24, Draft Report Groundwater Monitoring at EOD: Burn Sites, Ranges 17 and 35 FTD, NY, D, Jul-99, MP
- 1118, FTD -30, Final Work Plan Remedial Investigation DGS Source Area Investigations Areas 1595, 1795, 1895, 1995, 3805 GA, FTD, F, Jul-99, EA
- 1119, FTD -89, Final Work Plan Remedial Investigation Data Gap Study Bldg T-1245, FTD, NY, F, Jul-99, EA
- 1120, FTD -30-1195, Draft-Final Comprehensive Contaminant Assessment Report Vol II Areas 1195, 1295, 1395, 1495 Gas Alley, FTD, NY, D, Aug-99, EA
- 1120, FTD -30-1295, Draft-Final Comprehensive Contaminant Assessment Report Vol II Areas 1195, 1295, 1395, 1495 Gas Alley, FTD, NY, D, Aug-99, EA
- 1120, FTD -30-1395, Draft-Final Comprehensive Contaminant Assessment Report Vol II Areas 1195, 1295, 1395, 1495 Gas Alley, FTD, NY, D, Aug-99, EA
- 1120, FTD -30-1495, Draft-Final Comprehensive Contaminant Assessment Report Vol II Areas 1195, 1295, 1395, 1495 Gas Alley, FTD, NY, D, Aug-99, EA
- 1121, FTD -8, Final Workplan Addendum for the GW Sampling at the Airfield Sanitary Landfill, F, Aug-99, MP
- 1122, FTD -30-1795, Quarterly Report of Progress - Area 1795 Bioslurping Pilot Study, 1 April - 30 June 1999, F, Aug-99, EA
- 1123, FTD -30-1595, Final Summary Report Interim Remedial Measure Enhancement June/July 1999 Gas Alley Area 1595 FTD, NY, F, Aug-99, Radian
- 1124, FTD -112, Range 17 POL Spill Final Report, Range 17, Fort Drum, NY, F, Aug-99, Radian
- 1125, FTD -112, Range 17 POL Spill Final Report (Book 2), Range 17, Fort Drum, NY (Sampling data, Appendices B & C for above rpt), F, Aug-99, Radian
- 1126, FTD -30, Draft-Final Comprehensive Contaminant Assessment Report Vol I, Introduction and Overview Gas Alley, FTD, NY, D, Sep-99, EA
- 1127, FTD -30-3805, Summary of Area 3805 Treatment System Upgrades - 3805-RW11 and 3805-RW13 Gasoline Alley, FTD, NY, F, Sep-99, EA
- 1128, FTD -7, Phase I Risk Assessment, FTD, NY (Responses to comments on Pre-draft Risk Assessment), F, Sep-99, MP
- 1128, FTD -30, Phase I Risk Assessment, FTD, NY (Responses to comments on Pre-draft Risk Assessment), F, Sep-99, MP
- 1129, FTD -7, Draft Risk Assessment Gasoline Alley, WWII Landfill, Old Sanitary Landfill Fort Drum, NY, D, Oct-99, MP
- 1129, FTD -30, Draft Risk Assessment Gasoline Alley, WWII Landfill, Old Sanitary Landfill Fort Drum, NY, D, Oct-99, MP
- 1130, FTD -112, Gasoline Alley Soil Remediation, FTD, NY, Range 17 Soil Samples Data Package (lab report soil confirmation samples), F, Aug-99, Lanc. Labs
- 1131, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot, FTD, NY, F, Nov-99, EA
- 1132, FTD -30-3805, Quarterly Report of Progress - Area 3805 Pilot Treatment System Study, July - Sept 1999, Gasoline Alley, FTD, NY, F, Nov-99, EA

Previous Studies (continued):

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- 1133, FTD -30-1795, Quarterly Report of Progress -Area 1795 Bioslurping Pilot Study, Gasoline Alley, FTD, NY (July - Sept 1999), F, Nov-99, EA
- 1134, FTD -30-1795, Letter Report of Data Gap Study, Separate-Phase Product Delineation, Area 1795, Gasoline Alley, FTD, NY, F, Nov-99, EA
- 1135, FTD -7, First 1999 Semi-Annual Surface water and Sediment Sampling Results OSL, FTD, NY (OSL, 1595, 1795 creeks), F, Nov-99, MP
- 1135, FTD -30-1595, First 1999 Semi-Annual Surface water and Sediment Sampling Results OSL, FTD, NY (OSL, 1595, 1795 creeks), F, Nov-99, MP
- 1135, FTD -30-1795, First 1999 Semi-Annual Surface water and Sediment Sampling Results OSL, FTD, NY (OSL, 1595, 1795 creeks), F, Nov-99, MP
- 1136, IRP, Pre-Draft Risk Assessment FTD, NY(Range 17 & 35, T-91, T-1245, P-2140, T-4006, ASL, Range 17 spill), D, Dec-99, MP
- 1138, FTD -30-1595, Draft Interim Remedial Measure Enhancement Design Building 1599 Gasoline Alley, FTD, NY, D, Nov-99, EA
- 1139, FTD -8, Report for Annual Groundwater Sampling Performed 8/31/99 and 9/1/99 Airfield Sanitary Landfill, FTD, NY, F, Nov-99, MP
- 1199, FTD -7, Old Sanitary Landfill Drainage Stabilization Project (Downchutes), F, Aug-99, Radian

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- 1137, IRP, Installation Action Plan, Fort Drum, March 2000, F, Mar-00, FORSCOM
- 1140, FTD -30, Second Semi Annual 1999 Groundwater Sampling Event Results, Gasoline Alley Fort Drum, New York, F, Jan-00, MP
- 1141, FTD -30-1795, Final Letter Report of Data Gap Study, Separate-Phase Product Delineation, Area 1795, Gasoline Alley, FTD, NY, F, Jan-00, EA
- 1142, FTD -30, Draft Source Area Remedial Investigation/DGS Report areas 1595, 1795, 1895, 1995, 3805 Gasoline Alley, FTD, NY, D, Jan-00, EA
- 1143, FTD -91, Draft Remedial Investigation Data Gap Study AAFES Service Station Fort Drum, New York, D, Jan-00, EA
- 1144, FTD -8, ASL, FTD, NY Final Report for Annual Groundwater Sampling Performed 8/31/99 and 9/1/99 (includes 1 CDROM), F, Jan-00, MP
- 1145, FTD -30-1595, Final Groundwater Pilot Study Design Area 1595, Gasoline Alley, FTD, NY, F, Jan-00, EA
- 1146, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot Study, FTD, NY, F, Jan-00, EA
- 1147, FTD -30-3805, Quarterly Report of Progress - Area 3805 Pilot Treatment System Pilot Study, Gasoline Alley, FTD, NY, F, Feb-00, EA
- 1148, FTD -30-1795, Quarterly Report of Progress - Area 1795 Bioslurping Pilot Study, Gasoline Alley, FTD, NY, F, Feb-00, EA
- 1151, FTD -76, Final Remedial Action Report for Building T-4002, Fort Drum, New York, F, Feb-00, CDM
- 1152, FTD -7, Corrective Measures Study Alternatives Report Gasoline Alley Areas 1895, 1995, & 3805 and OSL, FTD, NY, D, Feb-00, MP
- 1152, FTD -30-3805, Corrective Measures Study Alternatives Report Gasoline Alley Areas 1895, 1995, & 3805 and OSL, FTD, NY, D, Feb-00, MP

Previous Studies (continued):

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- 1153, FTD -89, Draft Remedial Investigation Data Gap Study Former Building T-1245 FTD, NY, D, Mar-00, EA
- 1154, FTD -91, Preliminary Draft Corrective Measures Study AAFES Station Building P-2140, FTD, NY, D, Mar-00, EA
- 1155, FTD -7, Second 1999 Semi-Annual Surface Water and Sediment Sampling Results Old Sanitary Landfill, FTD, NY, F, Mar-00, MP
- 1156, FTD -30-1395, Quarterly Report of System Operation - Area 1395 and 1495 Systems, Gasoline Alley, FTD, NY (Oct - Dec 1999), F, Mar-00, EA
- 1156, FTD -30-1495, Quarterly Report of System Operation - Area 1395 and 1495 Systems, Gasoline Alley, FTD, NY (Oct - Dec 1999), F, Mar-00, EA
- 1157, FTD -30-1795, Draft Area 1795 Bioslurping Pilot Study Yearly Operations and Maintenance Report Gasoline Alley, FTD, NY, D, Mar-00, EA
- 1158, FTD -88, Work plan for installation of new well and sampling of 3 wells for VOCs and lead at T-4006 site, F, Mar-00, MP
- 1159, FTD -30-1195, Final Comprehensive Contaminant Assessment Report Vol. II Areas 1195, 1295, 1395, and 1495 Gas Alley, FTD, NY, F, Mar-00, EA
- 1159, FTD -30-1295, Final Comprehensive Contaminant Assessment Report Vol. II Areas 1195, 1295, 1395, and 1495 Gas Alley, FTD, NY, F, Mar-00, EA
- 1159, FTD -30-1395, Final Comprehensive Contaminant Assessment Report Vol. II Areas 1195, 1295, 1395, and 1495 Gas Alley, FTD, NY, F, Mar-00, EA
- 1159, FTD -30-1495, Final Comprehensive Contaminant Assessment Report Vol. II Areas 1195, 1295, 1395, and 1495 Gas Alley, FTD, NY, F, Mar-00, EA
- 1160, FTD -91, Groundwater Sampling Results, AAFES Service Station, FTD, NY (sampling 3 wells, 3/7/00), F, Apr-00, EA
- 1161, FTD -91, Work Plan for Groundwater Investigation and Monitoring Activities at AAFES Service Station, Bldg P-2140, FTD, NY, D, Apr-00, EA
- 1162, FTD -30-1795, Quarterly Report of Progress - Area 1795 Bioslurping Pilot Study, Gasoline Alley, FTD, NY, F, Apr-00, EA
- 1163, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot Study, FTD, NY, F, Apr-00, EA
- 1164, FTD -91, Temporary Groundwater Sampling Point Results AAFES Service Station, FTD, NY, F, May-00, EA
- 1165, FTD -30-1595, Draft Groundwater Model Enhancement Area 1595 FTD, NY, D, May-00, MP
- 1166, FTD -31, Groundwater Sampling at Building T-91, Fort Drum, NY Round 11 Results (March 2000), F, May-00, Weston
- 1172, FTD -88, Report for Well Installation and Sampling Performed at Area T-4006, FTD, NY, F, Jul-00, MP
- 1173, FTD -22, Draft Final Report Groundwater Monitoring at EOD: Burn Sites, Ranges 17 and 35, FTD, NY, D, Jul-00, MP
- 1173, FTD -24, Draft Final Report Groundwater Monitoring at EOD: Burn Sites, Ranges 17 and 35, FTD, NY, D, Jul-00, MP
- 1174, FTD -30-1795, Corrective Measures Study Alternative Report, Area 1795, Gasoline Alley, FTD, NY, D, Jun-00, EA
- 1175, FTD -91, Final Remedial Investigation Data Gap Study AAFES Service Station, FTD, NY, F, Jul-00, EA

Previous Studies (continued):

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- 1176, FTD -30-1595, Draft Area 1595 Groundwater Pilot Study Report Gasoline Alley, FTD, NY, D, Jul-00, EA
- 1177, FTD -30-1395, Quarterly Report of System Operation - Area 1395 and 1495 Systems, Gasoline Alley, FTD, NY (Apr - Jun 2000), F, Jul-00, EA
- 1177, FTD -30-1495, Quarterly Report of System Operation - Area 1395 and 1495 Systems, Gasoline Alley, FTD, NY (Apr - Jun 2000), F, Jul-00, EA
- 1178, FTD -30-1795, Quarterly Report of Progress - Area 1795 Bioslurping Pilot Study, Gasoline Alley, FTD, NY, F, Jul-00, EA
- 1179, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot Study, FTD, NY, F, Jul-00, EA
- 1180, FTD -30-3805, Quarterly Report of Progress - Area 3805 Pilot Treatment System Study, Gasoline Alley, FTD, NY, F, Jul-00, EA
- 1181, FTD -7, First Semi-Annual Year 2000 Surface Water and Sediment Sampling Results OSL and Areas 1595 & 1795, F, Jul-00, MP
- 1181, FTD -30-1595, First Semi-Annual Year 2000 Surface Water and Sediment Sampling Results OSL and Areas 1595 & 1795, F, Jul-00, MP
- 1181, FTD -30-1795, First Semi-Annual Year 2000 Surface Water and Sediment Sampling Results OSL and Areas 1595 & 1795, F, Jul-00, MP
- 1182, FTD -91, Groundwater Sampling Results, June 2000 Sampling Event, AAFES Service Station, FTD, NY, F, Aug-00, EA
- 1183, IRP, Draft Quality Assurance Program Plan (QAPP), D, Aug-00, MP
- 1184, FTD -30-1595, Preliminary Draft Corrective Measures Study Area 1595 Gasoline Alley FTD, NY, D, Aug-00, EA
- 1185, FTD -91, Draft Work Plan Aquifer Air Sparging/Dual-Phase Extraction Pilot Study AAFES Station, Bldg P-2140, FTD, NY, D, Sep-00, EA
- 1186, FTD -7, Final Risk Assessment Fort Drum, New York Gasoline Alley, WWII Landfill, Old Sanitary Landfill, F, Sep-00, MP
- 1186, FTD -30, Final Risk Assessment Fort Drum, New York Gasoline Alley, WWII Landfill, Old Sanitary Landfill, F, Sep-00, MP
- 1187, FTD -30, Draft Work Plan Remedial Pilot Study Areas 1295, 1395, and 1495 Gasoline Alley, FTD, NY, D, Sep-00, EA
- 1188, FTD -30, Final Comprehensive Contaminant Assessment Report Vol. I Introduction and Overview Gasoline Alley, FTD, NY, F, Sep-00, EA
- 1189, FTD -30, Final Comprehensive Contaminant Assessment Report Volumes I - V Gasoline Alley, FTD, NY (CD-ROM), F, Sep-00, EA
- 1190, FTD -30, Groundwater Data Trend Analysis Gasoline Alley, FTD, NY, D, Oct-00, Ea
- 1191, IRP, Final Risk Assessment Work Plan FTD, NY Rng 17 & 35, Spill Nr Rng 17, T91, T1245, P2140, T4006, ASL, F, Oct-00, EA
- 1192, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot Study, FD, NY (July - September 2000), F, Oct-00, EA
- 1193, FTD -8, Draft Report for Annual Groundwater Sampling Performed 8/8/00 and 8/9/00 - Airfield Sanitary Landfill, FD, NY, D, Oct-00, MP
- 1194, FTD -22, Final Report Groundwater Monitoring at EOD Burn Sites, Rngs 17 and 35, FTD, NY (Report and CD), F, Oct-00, MP
- 1194, FTD -24, Final Report Groundwater Monitoring at EOD Burn Sites, Rngs 17 and 35, FTD, NY (Report and CD), F, Oct-00, MP

Previous Studies (continued):

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- 1195, FTD -30-1795, Quarterly Report of Progress - Area 1795 Bioslurping Pilot Study, Gasoline Alley, FTD, NY (Jul-Sept 00), F, Nov-00, EA
- 1196, FTD -30-1595, Summary of Operation and Maintenance Technical Support, July - September 2000 Building 1599, FTD, NY, F, Nov-00, EA
- 1197, FTD -30-1395, Quarterly Report of System Operation - Area 1395 and 1495 Systems Gasoline Alley, FTD, NY, F, Nov-00, EA
- 1197, FTD -30-1495, Quarterly Report of System Operation - Area 1395 and 1495 Systems Gasoline Alley, FTD, NY, F, Nov-00, EA
- 1198, FTD -30-3805, Quarterly Report of Progress - Area 3805 Pilot Treatment System Study, Gasoline Alley, FTD, NY (Jul-Sept), F, Nov-00, EA
- 1200, FTD -91, Groundwater Sampling results, Sept. 2000 Sampling Event, AAFES Station, FTD, NY, F, Dec-00, EA
- 1201, FTD -30-1295, Final Work Plan Remedial Pilot Study Areas 1295, 1395, and 1495 Gasoline Alley, FTD, NY, F, Dec-00, EA
- 1201, FTD -30-1395, Final Work Plan Remedial Pilot Study Areas 1295, 1395, and 1495 Gasoline Alley, FTD, NY, F, Dec-00, EA
- 1201, FTD -30-1495, Final Work Plan Remedial Pilot Study Areas 1295, 1395, and 1495 Gasoline Alley, FTD, NY, F, Dec-00, EA
- 1202, FTD -30-1595, Final Area 1595 Groundwater Pilot Study Report Gasoline Alley FTD, NY, F, Dec-00, EA
- 1203, FTD -91, Final Work Plan Aquifer Air Sparging/Dual-Phase Extraction Pilot Study AAFES Station Building P-2140, FTD, NY, F, Dec-00, EA
- 1204, FTD -30-3805, Quarterly Report of Progress - Area 3805 Pilot Treatment System Study, Gasoline Alley, FTD, NY, F, May-00, EA

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- 1205, IRP, Installation Action Plan, Fort Drum, March 2001, F, Mar-01, IRP
- 1206, FTD -30-1595, Groundwater Model Enhancement Report Area 1595 Fort Drum, New York, F, Jan-01, MP
- 1207, FTD -30-1395, Quarterly Report of System Operation-Areas 1395 and 1494 Systems(Oct-Dec00) Gasoline Alley, FTD, NY, F, Jan-01, EA
- 1207, FTD -30-1495, Quarterly Report of System Operation-Areas 1395 and 1494 Systems(Oct-Dec00) Gasoline Alley, FTD, NY, F, Jan-01, EA
- 1208, FTD -91, Quarterly Report of Progress-Bldg P-2140 Interim Treatment System Pilot Study, FTD, NY (Oct-Dec00), F, Jan-01, EA
- 1209, FTD -30, Gasoline Alley Annual Groundwater Monitoring Program, FTD, NY Oct/Nov 2000, F, Jan-01, MP
- 1210, FTD -30-1795, Quarterly Report of Progress Area 1795 Bioslurping Pilot Study, Gasoline Alley, FTD, NY(1 Oct-30 Dec 00), F, Jan-01, EA
- 1211, FTD -91, Draft Dual Phase Extraction Pilot Test Summary Report and Conceptual Design, Bldg P-2140, FTD, NY, D, Jan-01, EA
- 1212, FTD -30-3805, Quarterly Report of Progress Area 3805 Pilot Treatment System Study, FTD NY (Oct - Dec 2000), F, Jan-01, EA
- 1213, FTD -91, Quarterly Ground-Water Sampling Results, Dec 2000 Sampling Event, Bldg P-2140, FTD, NY, F, Feb-01, EA

Previous Studies (continued):

2001

- 1214, FTD -30-1295, Draft Remedial Pilot Study Implementation Report Area 1295, Gasoline Alley, FTD, NY, D, Feb-01, EA
- 1215, FTD -7, Draft Work Plan DataGap Study to Support CMS Gasoline Alley Areas 1895, 1995, 3805 and OSL, FTD, NY, D, Feb-01, MP
- 1215, FTD -30-3805, Draft Work Plan DataGap Study to Support CMS Gasoline Alley Areas 1895, 1995, 3805 and OSL, FTD, NY, D, Feb-01, MP
- 1216, FTD -30-1595, Response to comments on pre-draft CMS for Area 1595, F, Feb-01, EA
- 1217, FTD -30-1595, Draft Corrective Measures Study, Area 1595, Gasoline Alley, FD, NY, D, Feb-01, EA
- 1218, IRP, Draft Risk Assessment, FTD, NY (8 sites; Rnges 17& 35, T-91, T-1245, P-2140, T-4006, ASL, Nr. R17), D, Feb-01, MP
- 1219, FTD -30-1395, Draft Aquifer Air Sparge Pilot System Implementation Report Areas 1395 & 1495, Gasoline Alley, FD, NY, D, Mar-01, EA
- 1219, FTD -30-1495, Draft Aquifer Air Sparge Pilot System Implementation Report Areas 1395 & 1495, Gasoline Alley, FD, NY, D, Mar-01, EA
- 1220, FTD -91, Draft Aquifer Air Sparging Installatin and Startup Report, AAFES, FD, NY, D, Mar-01, EA
- 1221, FTD -7, Summary of Surface Water and Sediment Sampling Results, OSL, Areas 1595 & 1795, FD, NY (4 events: 8/99-12/00), F, Mar-01, MP
- 1221, FTD -30-1595, Summary of Surface Water and Sediment Sampling Results, OSL, Areas 1595 & 1795, FD, NY (4 events: 8/99-12/00), F, Mar-01, MP
- 1221, FTD -30-1795, Summary of Surface Water and Sediment Sampling Results, OSL, Areas 1595 & 1795, FD, NY (4 events: 8/99-12/00), F, Mar-01, MP
- 1222, FTD -30, Ground Water Trends Analysis Gasoline Alley, FTD, NY, F, Mar-01, EA
- 1223, FTD -30-3805, Draft Source Area /LNAPL Focused Technical Selection Report, Gas Alley, Areas 1895, 1995 & 3805, FTD, NY, D, Mar-01, MP
- 1224, FTD -91, Draft Corrective Measures Study, Bldg P-2140, FTD, NY, D, Mar-01, EA
- 1225, FTD -91, Final Corrective Measures Study Alternatives Report, Areas 1895,1995,3805 and OSL, FTD, NY, F, Apr-01, MP
- 1226, IRP, Quarterly IRP Meeting Minutes for Fort Drum, 1/10/01 and 1/11/01, F, Mar-01, MP
- 1227, FTD -8, Airfield Sanitary Landfill, Fort Drum, NY, Final Report for Annual Groundwater Sampling Performed 8/8/00 and 8/9/00, F, Apr-01, MP
- 1228, FTD -30-1795, Pre-draft Corrective Measures Study, Area 1795, Gasoline Alley, FTD, NY, D, Apr-01, EA
- 1229, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot Study, FTD, NY, F, Apr-01, EA
- 1230, FTD -30-1595, Summary of Operation and Maintenance Technical Support, Jan - Mar 2001 Building 1599, FTD, NY, F, Apr-01, EA
- 1231, FTD -30-1395, Quarterly Report of System Operation-Bioventing & AAS, Areas 1395 & 1495 (Jan-Mar 2001), FTD, NY, F, Apr-01, EA
- 1231, FTD -30-1495, Quarterly Report of System Operation-Bioventing & AAS, Areas 1395 & 1495 (Jan-Mar 2001), FTD, NY, F, Apr-01, EA
- 1232, FTD -30-3805, Quarterly Report of Progress, Area 3805 Pilot Treatment System Study, Jan-Mar 2001, FTD, NY, F, Apr-01, EA
- 1233, FTD -89, Final Remedial Investigation Data Gap Study, Former Building T-1245, FTD, NY, F, Apr-01, EA

Previous Studies (continued):

2001

- 1234, FTD -30-1795, Quarterly Report of Progress Area 1795 Bioslurping Pilot Study, Gasoline Alley, FTD, NY(1Jan-31Mar 01), F, May-01, EA
- 1235, FTD -91, Groundwater Sampling Results, March 2001 Sampling Event, AAFES Station, FTD, NY, F, May-01, EA
- 1236, FTD -91, Quarterly Report of Progress, Bldg P-2140 AAFES Gas Station, FTD, NY (1 Jan - 31 Mar 01), F, May-01, EA
- 1237, FTD -30, Gasoline Alley Groundwater Monitoring Program Work Plan, FTD, NY, F, May-01, MP
- 1238, FTD -30, Final Source Area Remedial Investigation/Datagap Study Report, Areas 1595,1795,1895,1995,3805, FTD, NY, F, May-01, EA
- 1239, FTD -30, Gasoline Alley Groundwater Monitoring Program, FTD, NY April 2001 Well/Piezometer Gauging Results (1 disk), F, May-01, MP
- 1240, IRP, Quality Assurance Program Plan, F, May-01, MP
- 1243, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot Study, FTD, NY, F, Jul-01, EA
- 1244, FTD -30-1595, Summary of Operations and Maintenance Technical Support, April-June 2001, Bldg 1599, FTD, NY, F, Jul-01, EA
- 1245, FTD -91, Groundwater Sampling Results, June 2001 Sampling Event, AAFES Service Station, FTD, NY, F, Jul-01, EA
- 1246, FTD -30-1795, Quarterly Report of Progress - Area 1795 Bioslurping Pilot Study, April - June 2001, Gasoline Alley, FTD, NY, F, Jul-01, EA
- 1247, FTD -7, Response to Comments on Draft Work Plan for DGS to Support CMS Gas Alley Areas 1895/1995/3805 and OSL, FTD, F, Jul-01, MP
- 1247, FTD -30-3805, Response to Comments on Draft Work Plan for DGS to Support CMS Gas Alley Areas 1895/1995/3805 and OSL, FTD, F, Jul-01, MP
- 1248, FTD -30-3805, Quarterly Report of Progress, Area 3805 Pilot Treatment System Study, April-June 2001, FTD, NY, F, Jul-01, EA
- 1249, FTD -7, Draft Phytoremediation Pilot Study Implementation Report, OSL, FTD, NY, D, Jul-01, MP
- 1250, FTD -91, Draft AAS 6-Month Operation Summary Report AAFES Station, FTD, NY, D, Aug-01, EA
- 1251, FTD -30-1395, Quarterly Report of System Operation - Bioventing and AAS Systems, Areas 1395 and 1495, Gas Alley, FTD, NY, F, Aug-01, EA
- 1251, FTD -30-1495, Quarterly Report of System Operation - Bioventing and AAS Systems, Areas 1395 and 1495, Gas Alley, FTD, NY, F, Aug-01, EA
- 1252, FTD -91, Draft Full-Scale Dual-Phase Extraction Pilot Study Work Plan AAFES Station, FTD, NY, D, Aug-01, EA
- 1253, FTD -91, Safety, Health, and Emergency Response Plan for the Full-Scale Dual-Phase Extraction Pilot Study AAFES Station, D, Aug-01, EA
- 1254, FTD -7, Final Work Plan Data Gap Study to Support Corrective Measures Study, Gasoline Alley and Old Sanitary Landfill, F, Sep-01, MP
- 1254, FTD -30-3805, Final Work Plan Data Gap Study to Support Corrective Measures Study, Gasoline Alley and Old Sanitary Landfill, F, Sep-01, MP
- 1255, FTD -7, Summary of Surface Water and Sediment Sampling Results (July 1999 - December 2000), OSL, 1595, 1795, FD, NY, F, Sep-01, MP

Previous Studies (continued):

2001

- 1255, FTD -30-1595, Summary of Surface Water and Sediment Sampling Results (July 1999 - December 2000), OSL, 1595, 1795, FD, NY, F, Sep-01, MP
- 1255, FTD -30-1795, Summary of Surface Water and Sediment Sampling Results (July 1999 - December 2000), OSL, 1595, 1795, FD, NY, F, Sep-01, MP
- 1256, FTD - 91, Full-Scale Dual-Phase Extraction Pilot Study Work Plan, AAFES Station, FD, NY, F, Sep-01, EA
- 1257, FTD -91, Safety, Health, and Emergency Response Plan for the Full-Scale Dual-Phase Extraction Pilot Study AAFES Station, F, Sep-01, EA
- 1258, FTD -30-3805, Response to Comments for the Draft Source Area/LNAPL Focused Technical Selection Report, Gas Alley, Area 3805, FD, NY, F, Oct-01, MP
- 1259, IRP, ArcView Project Update (update to IRP sampling database; CD), F, Aug-01, EA
- 1260, FTD -91, Quarterly Report of Progress - Building P-2140 Interim Treatment System Pilot Study, FTD, NY, F, Oct-01, EA
- 1261, FTD -91, Groundwater Sampling Results, Sept. 2001 Sampling Event, AAFES Station, FTD, NY, F, Oct-01, EA
- 1262, FTD -30-3805, Interim Concept Plan for Area 3805/1995 Source Area Remedial Design Workplan Gasoline Alley and OSL, FTD, NY, D, Oct-01, MP
- 1263, FTD -30-1395, Quarterly Report of System Operation - Bioventing and AAS Systems, Areas 1395 and 1495, Gas Alley, FTD, NY, F, Nov-01, EA
- 1263, FTD -30-1495, Quarterly Report of System Operation - Bioventing and AAS Systems, Areas 1395 and 1495, Gas Alley, FTD, NY, F, Nov-01, EA
- 1264, FTD -91, Quarterly Report of AAS System Operation -AAFES Station, FTD, NY, F, Oct-01, EA
- 1265, FTD -30-3805, Quarterly Report of Progress, Area 3805 Pilot Treatment System Study, July-Sept. 2001, Gasoline Alley, FTD, NY, F, Nov-01, EA
- 1266, FTD -30-1795, Quarterly Report of Progress - Area 1795 Bioslurping Pilot Study, Gasoline Alley, FTD, NY (Jul - Sept 01), F, Nov-01, EA
- 1267, FTD -30-1595, Summary of Operation and Maintenance Technical Support, July- Sept 2001 Building 1599, FTD, NY, F, Nov-01, EA
- 1268, FTD -91, Final Aquifer Air Sparging Installation and Startup Report AAFES Station, FTD, NY, F, Nov-01, EA
- 1269, FTD -30-3805, Final Source Area /LNAPL Focused Technical Selection Report Gasoline Alley Areas 1895, 1995, and 3805, FTD, NY, F, Nov-01, MP
- 1269, FTD -30-3805, Final Source Area /LNAPL Focused Technical Selection Report Gas Alley Areas 1895, 1995, 3805, FTD, NY (CD), F, Nov-01, MP
- 1270, FTD -7, Quarterly Report for Phytoremediation Pilot Study at the Old Sanitary Landfill, FTD, NY, F, Nov-01, MP
- 1271, FTD -91, Final AAS 6-Month Operation Summary Report AAFES Station, FTD, NY, F, Dec-01, EA
- 1272, FTD -30-1295, Final Remedial Pilot Study Implementation Report Area 1295, Gasoline Alley, FTD, NY, F, Dec-01, EA
- 1273, FTD -91, Final Dual-Phase Extraction Pilot Test Summary Report and Conceptual Design AAFES Station P-2140, FTD, NY, F, Dec-01, EA
- 1274, FTD -30-1395, Final Aquifer Air Sparging Pilot Study Implementation Report Area 1395 and 1495, Gasoline Alley, FTD, NY, F, Dec-01, EA

Previous Studies (continued):

2001

- 1274, FTD -30-1495, Final Aquifer Air Sparging Pilot Study Implementation Report Area 1395 and 1495, Gasoline Alley, FTD, NY, F, Dec-01, EA

2002

- 1275, FTD -30-3805, Draft Work Plan Source Area Remedial Design Gasoline Alley Areas 3805 & 1995, FTD, NY, D, Jan-02, MP
- 1276, FTD -30, Final October 2001 Groundwater Monitoring Gasoline Alley & Surface Water & Sediment Areas 1595, 1795, OSL, F, Jul-02, MP
- 1277, FTD -8, Airfield Sanitary Landfill, FTD, NY Draft Report for Annual Groundwater Sampling Performed 10/3-10/4/01, D, Jan-02, MP
- 1278, FTD -91, Groundwater Sampling Results, December 2001 Sampling Event, AAFES Station, FTD, NY, F, Jan-02, EA
- 1279, FTD -30-1395, Quarterly Report of System Operation - Bioventing and AAS Systems, Areas 1395 and 1495 Gas Alley, F, Jan-02, EA
- 1279, FTD -30-1495, Quarterly Report of System Operation - Bioventing and AAS Systems, Areas 1395 and 1495 Gas Alley, F, Jan-02, EA
- 1280, FTD -7, Quarterly Report for Oct - Dec 2001 Phytoremediation Pilot Study at OSL, FTD, NY, F, Jan-02, MP
- 1281, FTD -7, Draft Data Gap Study Report Corrective Measures Study Gasoline Alley and OSL, FTD, NY, D, Jan-02, MP
- 1281, FTD -30-3805, Draft Data Gap Study Report Corrective Measures Study Gasoline Alley and OSL, FTD, NY, D, Jan-02, MP
- 1283, FTD -30-1795, Quarterly Report of Progress - Area 1795 Bioslurping Pilot Study, Gasoline Alley, FTD, NY, F, Jan-02, EA
- 1284, FTD -30-3805, Draft Cost Estimate Source Area Remedial System Gasoline Alley Areas 3805 & 1995, FTD, NY (Not for Distribution), D, Feb-02, MP
- 1285, FTD -91, Quarterly Report of AAS System Operation - AAFES Station, FTD, NY (October 1 - December 31, 2001), F, Feb-02, EA
- 1286, FTD -30-3805, Quarterly Report of Progress, Area 3805 Pilot Treatment System Study, Oct - Dec 2001, Gas Alley, FTD, F, Feb-02, EA
- 1287, IRP, Installation Action Plan (as of October 2001), F, Mar-02, IRP
- 1288, FTD -22, EOD Burn Sites, Ranges 17 and 35 Subpart X Permit Withdrawal Request, F, Nov-02, MP
- 1288, FTD -24, EOD Burn Sites, Ranges 17 and 35 Subpart X Permit Withdrawal Request, F, Nov-02, MP
- 1289, FTD -30-3805, Draft Source Area Remedial Design Workplan Response to Comments Gasoline Alley Areas 3805 and 1995, FTD, NY, D, Feb-02, MP
- 1290, FTD -30-1295, Oxygen Releasing Compound Pilot Study Summary Report, Area 1295, Gasoline Alley, FTD, NY, F, Mar-02, EA
- 1291, FTD -20-1395, Aquifer Air Sparging Pilot Study One-Year Summary Letter Report, Area 1395, Gasoline Alley, FTD, NY, F, Mar-02, EA
- 1292, FTD -20-1495, Aquifer Air Sparging Pilot Study One-Year Summary Letter Report, Area 1495, Gasoline Alley, FTD, NY, F, Mar-02, EA
- 1293, FTD -30-3805, Final Work Plan Source Area Remedial Design Gasoline Alley Areas 3805 & 1995, FTD, NY, F, Apr-02, MP

Previous Studies (continued):

2002

- 1294, FTD -91, Draft Operation and Maintenance Manual Full-Scale Dual-Phase Extraction Pilot Study AAFES Station, FTD, NY, D, Apr-02, EA
- 1295, FTD -91, Revised Draft Corrective Measures Study Army Air Force Exchange Service Station, FTD, NY, D, May-02, EA
- 1296, FTD -30, April 2002 Well Gauging for Gasoline Alley, FTD, NY, F, May-02, MP
- 1297, FTD -91, Draft Installation and Startup Report for Full-Scale Dual-Phase Extraction Pilot System, AAFES Station, D, May-02, EA
- 1298, FTD -30-3805, Final Cost Estimate Source Area Remedial System Gasoline Alley Areas 3805 & 1995, FTD, NY, F, Jun-02, MP
- 1299, FTD -91, Quarterly Report of Progress, O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jul-02, EA
- 1299, FTD -30-1395, Quarterly Report of Progress, O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jul-02, EA
- 1299, FTD -30-1495, Quarterly Report of Progress, O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jul-02, EA
- 1299, FTD -30-1595, Quarterly Report of Progress, O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jul-02, EA
- 1299, FTD -30-1795, Quarterly Report of Progress, O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jul-02, EA
- 1299, FTD -30-3805, Quarterly Report of Progress, O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jul-02, EA
- 1300, FTD -8, Airfield Sanitary Landfill, FTD, NY Final Report for Annual Groundwater Sampling Performed 10/3-10/4/01 (w disk), F, Jul-02, MP
- 1301, FTD -7, Final Data Gap Study Report to Support CMS Gasoline Alley and OSL, FTD, NY (includes CD), F, Jul-02, MP
- 1301, FTD -30-3805, Final Data Gap Study Report to Support CMS Gasoline Alley and OSL, FTD, NY (includes CD), F, Jul-02, MP
- 1302, IRP, July 2002 Fort Drum, New York, Installation Action Plan (includes CD), F, Jul-02, IRP
- 1303, FTD -30-1595, Draft Final Corrective Measures Study Area 1595 Gasoline Alley, Fort Drum, New York, D, Aug-02, EA
- 1304, IRP, Final Risk Assessment, FTD, NY (8 sites; Ranges 17& 35, T-91, T-1245, P-2140, T-4006, ASL, Nr. R17), F, Sep-02, MP
- 1305, IRP, Quarterly Report of Progress (Jun - Aug 2002), O&M, Areas 1395, 1495, 1595, 1795, 3805, AAFES, F, Oct-02, EA
- 1306, FTD -72, Draft Addendum NJANG Pond and Building T-4002 Final Risk Assessment, FTD, NY, D, Dec-02, MP
- 1306, FTD -76, Draft Addendum NJANG Pond and Building T-4002 Final Risk Assessment, FTD, NY, D, Dec-02, MP
- 1307, FTD -30-1795, Draft Corrective Measures Study Area 1795 Gasoline Alley, FTD, NY, D, Dec-02, EA

2003

- 1308, FTD -91, Quarterly Report of Progress, (Sep-Nov 02) O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jan-03, EA

Previous Studies (continued):

2003

- 1308, FTD -30-1395, Quarterly Report of Progress, (Sep-Nov 02) O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jan-03, EA
- 1308, FTD -30-1495, Quarterly Report of Progress, (Sep-Nov 02) O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jan-03, EA
- 1308, FTD -30-1595, Quarterly Report of Progress, (Sep-Nov 02) O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jan-03, EA
- 1308, FTD -30-1795, Quarterly Report of Progress, (Sep-Nov 02) O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jan-03, EA
- 1308, FTD -30-3805, Quarterly Report of Progress, (Sep-Nov 02) O&M, Areas 1395, 1495, 1595, 1795, 3805, and AAFES Station, FTD, NY, F, Jan-03, EA
- 1309, FTD -30-1595, Draft Chemical Oxidation Pilot Study Report Gasoline Alley Area 1595 FTD, NY, D, Oct-03, MP
- 1310, FTD -30-3805, Draft Pilot Study for Source Area Remediation Gasoline Alley, Areas 3805 and 1995 at FTD, NY, D, Jan-03, CAPE
- 1311, FTD -7, Quarterly Report for Oct - Dec 2002 Phytoremediation Pilot Study at the OSL, FTD, NY, F, Mar-03, MP
- 1312, FTD -30-3805, Stormwater Pollution Prevention Plan Areas 1895, 1995, and 3805, FTD, NY, F, Apr-03, EA
- 1313, FTD -30-3805, Environmental Protection Plan for Source Area Remediation Gasoline Alley Areas 3805 and 1995, FTD, NY, F, Apr-03, CAPE
- 1314, IRP, 2002 Basewide Groundwater, Surface Water, and Sediment Monitoring Gasoline Alley, FTD, NY (Volumes I, & II), F, Apr-03, MP
- 1315, IRP, Quarterly Report of Progress (Dec. 2002 - Feb. 2003) O&M, Areas 1395, 1495, 1595, 1795, 3805, AAFES, F, Apr-03, EA
- 1316, FTD -30-3805, Draft Work Plan for Source Area Remediation Gasoline Alley, Areas 3805 and 1995 at FTD, NY (2 vols.), D, May-03, CAPE
- 1317, FTD -7, Quarterly Report for Jan - Mar 2003 Phytoremediation Pilot Study at the OSL, FTD, NY, F, May-03, MP
- 1318, 8, Airfield Sanitary Landfill (ASL) Test Pit Investigation Letter Report of Findings (to identify northern edge of cap), F, Jun-03, MP
- 1319, FTD -91, Final Corrective Measures Study Army Air Force Exchange Service Station Fort Drum, New York, F, Jun-03, EA
- 1320, IRP, Quarterly Report of Progress (Mar - May 2003) O&M Areas 1395, 1495, 1595, 1795, 3805 and AAFES, F, Jul-03, EA
- 1321, FTD -30-3805, Final Work Plan for Source Area Remediation Gasoline Alley, Areas 3805 and 1995 at FTD, NY, F, Jul-03, CAPE
- 1322, FTD -30-1595, Final Corrective Measures Study Area 1595 Gasoline Alley, FTD, NY, F, Jul-03, EA
- 1323, FTD -91, Final Installation and Startup Report for Full-Scale Dual-Phase Extraction Pilot System AAFES, FTD, NY, F, Aug-03, EA
- 1324, FTD -91, Final Operations and Maintenance Manual Full-Scale Dual-Phase Extraction Pilot Study AAFES Station, FTD (w Appen), F, Aug-03, EA
- 1325, FTD -7, Quarterly Report for April - June 2003 Phytoremediation Pilot Study at the OSL, FTD, NY Data Gap Study, F, Aug-03, MP
- 1326, IRP, Quarterly Report of Progress (Jun - Aug 2003), O&M, Areas 1395, 1495, 1595, 1795, 3805, AAFES, F, Sep-03, EA

Previous Studies (continued):

2003

- 1327, IRP, Final 2002 Basewide Groundwater, Surface Water, and Sediment Monitoring Report (Replacement Pages, disk), F, Nov-03, MP

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- 1328, IRP, Quarterly Report of Progress (Sep - Nov 2003), O&M, Areas 1395, 1495, 1595, 1795, 3805, AAFES, F, Jan-04, EA
- 1329, IRP, Final Risk Assessments Fort Drum, NY (CD) (all risk assessed sites except NJANG and T-4002), F, Jan-04, MP
- 1330, FTD -30-1795, Final Corrective Measures Study Area 1795 Gasoline Alley, FTD, NY, F, Jun-04, EA
- 1331, FTD -30-1395, Post-Termination Monitoring Program Bioventing/AAS Treatment Systems Areas 1395/1495, FTD, NY, F, Feb-04, MP
- 1331, FTD -30-1495, Post-Termination Monitoring Program Bioventing/AAS Treatment Systems Areas 1395/1495, FTD, NY, F, Feb-04, MP
- 1332, FTD -30-3805, As-Built Construction Drawings Source Area Remedial Systems, Gasoline Alley Areas 3805 and 1995 (CD included), F, Feb-04, CAPE
- 1333, FTD -30-1595, Final Chemical Oxidation Pilot Study Report Gasoline Alley Area 1595, FTD, NY, F, Apr-04, MP
- 1334, IRP, Quarterly Report of Progress (Dec. 2003 - Feb. 2004) O&M Areas 1395, 1495, 1595, 1795, 3805, AAFES, F, Apr-04, EA
- 1335, FTD -72, Final Addendum for NJANG Pond and T-4002 to the Final Risk Assessment (4 reports + 1 CD), F, Apr-04, MP
- 1335, FTD -76, Final Addendum for NJANG Pond and T-4002 to the Final Risk Assessment (4 reports + 1 CD), F, Apr-04, MP
- 1336, 30-3805, Well Development Logs for Source Remediation Areas 3805/1995, FTD, NY + various submittals, F, Apr-04, CAPE
- 1337, IRP, 2003 Basewide Groundwater and Surface Water Monitoring Report, FTD, NY (Volumes I & II), F, May-04, MP
- 1338, FTD -30-3805, Preliminary Draft Corrective Measures Study Gasoline Alley Areas 1895, 1995, & 3805 and OSL, FTD, NY, D, Jun-04, MP
- 1338, 7, Preliminary Draft Corrective Measures Study Gasoline Alley Areas 1895, 1995, & 3805 and OSL, FTD, NY, D, Jun-04, MP
- 1339, IRP, Quarterly Report of Progress (Mar - May 2004) O&M Areas 1395, 1495 1595, 1795 and AAFES, FTD, NY, F, Jun-04, EA
- 1340, FTD -7, Draft Groundwater Seep Sampling Monitoring Report Old Sanitary Landfill, FTD, NY, D, Aug-04, MP
- 1341, FTD -30-3805, Final O&M Report for Source Area Remediation Gas Alley Area 3805 & 1995, FTD (Jan - Mar 2004), F, Aug-04, CAPE
- 1342, FTD -7, Semiannual Progress Report Phytoremediation Pilot Study (Jan - Jun 2004), F, Aug-04, MP
- 1343, IRP, Quarterly Report of Progress (June - Aug 2004) O&M Areas 1395, 1495, 1595, 1795, and AAFES, FTD, NY, F, Sep-04, EA
- 1344, FTD -30-3805, Safety, Health, Emergency Response Plan Addendum for MPE/AAS System Operation Areas 3805/1995, F, Aug-04, CAPE
- 1345, FTD -30-3805, O&M Manual for MPE System Fort Drum Area 3805-C, FTD, NY (CD included), F, Aug-04, CAPE

Previous Studies (continued):

2004

- 1346, FTD -30-3805, O&M Manual for MPE System Fort Drum Area 3805-A & B, FTD, NY (CD included), F, Aug-04, CAPE
- 1347, 7, Final Groundwater Seep Sampling Monitoring Report Old Sanitary Landfill, F, Nov-04, MP
- 1348, FTD -30-3805, Final O&M Report (Apr - Jun 2004) Multi-Phase Extraction and AAS Systems Areas 3805 and 1995, FTD, F, Aug-04, CAPE
- 1349, FTD -30-3805, Final O&M Report (Jul - Sept 2004) Multi-Phase Extraction and AAS Systems Areas 3805 and 1995, FTD, F, Oct-04, CAPE
- 1350, FTD -30-3805, Final As-Built Drawings for Source Area Remedial System Gasoline Alley Areas 3805 and 1995, FTD, NY, F, Sep-04, CAPE
- 1351, FTD -30-3805, O&M Manual for CAPE Environmental, FTD, NY (Global Technologies; Catalytic Oxidizer Unit), F, Sep-04, CAPE
- 1352, IRP, Fort Drum 2003 Basewide Groundwater and Surface Water Monitoring report & disk (new cover for draft only), F, Nov-04, MP
- 1353, IRP, Quarterly Report of Progress (Sep - Nov 2004) O&M Areas 1395, 1495, 1595, 1795, and AAFES Station, F, Dec-04, EA

2005

- 1354, FTD -30-3805, O&M Manual for MPE System Fort Drum Area 1995, FTD, NY (System D); disk included, F, Jan-05, CAPE
- 1355, FTD -30-3805, O&M Manual for CAPE Environmental (Global Tech; Catalytic Oxidizer Unit; System D) - Area 1995 - disk, F, Sep-05, CAPE
- 1356, FTD -7, Draft Corrective Measures Study Gasoline Alley Areas 1895, 1995, & 3805 and OSL, FTD, NY, D, Feb-05, CAPE
- 1356, FTD -30-3805, Draft Corrective Measures Study Gasoline Alley Areas 1895, 1995, & 3805 and OSL, FTD, NY, D, Feb-05, CAPE
- 1357, FTD -7, Statistical Analysis to Support the CMS: Gasoline Alley Areas 1895, 1995, & 3805 and OSL, F, Feb-05, CAPE
- 1357, FTD -30-3805, Statistical Analysis to Support the CMS: Gasoline Alley Areas 1895, 1995, & 3805 and OSL, F, Feb-05, CAPE
- 1358, FTD -89, Draft Focused Technical Selection Area 1245 Fort Drum Military Reservation, FTD, NY, D, Feb-05, MP
- 1359, FTD -7, Semiannual Progress Report Phytoremediation Pilot Study (Jul - Dec 2004), F, Mar-05, MP
- 1360, FTD -112, Investigation and Closure Report Training Site POL Contamination Near Range 17, FTD, NY, F, Mar-05, MP
- 1361, IRP, Quarterly Report of Progress (Dec-Feb 2005) O&M Areas 1395, 1495, 1595, 1795, and AAFES, FTD, NY, F, Apr-05, EA
- 1362, FTD -30-3805, O&M Report (Jan-Feb 2005) MPE and AAS Systems Areas 3805 and 1995, FTD, NY, F, Mar-05, CAPE
- 1363, FTD -30-1595, Final Conceptual Design Plan Area 1595, Gasoline Alley, FTD, NY, F, Apr-05, CAPE
- 1364, FTD -30-1595, Stormwater Pollution Prevention Plan Area 1595, Gasoline Alley, FTD, NY, F, Apr-05, CAPE
- 1365, FTD -30-1595, Draft Site Safety and Health Plan for Remedial Design and Remedial Action Gasoline Alley Area 1595, FTD, D, May-05, CAPE

Previous Studies (continued):

2005

- 1366, FTD -30-1595, Draft Work Plan for Remedial Design and Remedial Action Gasoline Alley Area 1595, FTD,NY, D, May-05, CAPE
- 1367, IRP, 2004 Basewide Groundwater and Surface Water Monitoring, FTD, NY + CD, F, May-05, MP
- 1368, FTD -30-1595, Draft Contractor Quality Control Plan Remedial Design and Remedial Action, Gas Alley Area 1595, D, Jun-05, CAPE

FORT DRUM

New York

INSTALLATION RESTORATION PROGRAM

SITE DESCRIPTIONS

FTD-007 OLD SANITARY LANDFILL

SITE DESCRIPTION

The Old Sanitary Landfill is located along Route 26 across from Area 3805 of Gasoline Alley. Roughly 50 acres, the landfill, which was operated from 1940 to 1973, consists of two cells (which may extend to a depth of 40 ft) divided by a ravine. It is believed that the debris was dumped in low spots of the ravine area. The cells have a synthetic cap, soil, and vegetative cover. Leachate, primarily BTEX, seeps out at points along the lower portions of the side slopes into a stream leading off-post at both landfill cells. The plume reconnaissance performed at Gasoline Alley (FTD-030) indicates that Area 3805 is contributing to the contamination found at the landfill. Stream monitoring results show that the contamination is primarily limited to the stream bed adjacent to the cells.

In FY96, a landfill fence was installed and the vents were upgraded. In FY97, an IRA was conducted to remove debris/drums from the site and stabilize slopes. Slope stabilization and erosion control were completed in FY99. The Risk Assessment was completed in FY00. In FY01, a pilot phytoremediation project was installed and is still ongoing. The groundwater plume appears stable. Limited cap repairs were completed in FY02/03. Additional seep sampling was performed in summer FY04.

A CMS to include Gasoline Alley Area 3805 was completed in FY05.

CLEANUP STRATEGY

Continue sampling of groundwater, surface water, sediment and seeps. Continue cap maintenance and possible debris removal. Remediation is expected to include surface/slope improvements, cap maintenance and debris removal. Seeps and surface water will be addressed primarily by phytoremediation at discrete locations.

STATUS

RRSE: High

CONTAMINANTS OF CONCERN:
Tetrachloroethene, Naphthalene, Phenols, BTEX, Metals

MEDIA OF CONCERN: Soil, Groundwater, Surface Water, Sediment

PHASES	Start	End
RFA.....	198010	198107
CS.....	198110	198509
RFI	198602	200609
IRA.....	198506	199909
DES.....	200510	200609
CMI(C).....	200610	200709
LTM.....	200710	203009

RC: 200709

FTD-008

AIRFIELD SANITARY LANDFILL

SITE DESCRIPTION

The Airfield Sanitary Landfill (ASL), formerly named Existing Landfill, is located just northeast of Wheeler Sack Army Airfield and covers approximately 37 acres. Reports indicate that paint wastes, pesticide containers, and POL-saturated wastes were disposed of between 1973-1987. It was capped in 1988 with a polyvinylchloride cover, soil, and vegetation.

In 1994, monitoring wells required by NYSDEC were installed and quarterly monitoring was initiated. The four quarter monitoring program completed in 1995 indicated no significant impact to the environment.

A draft closure plan was developed in 1991 which recommended upgrading some of the gas vents, adding cover material, and improving drainage. A revised closure plan for the landfill was submitted in October 1995 and finalized in June 1997. A Post Closure Operations and Maintenance Plan was finalized in September 1997. Cover improvements were completed in FY99. A trend analysis was finalized in 2001, which revealed no significant problems.

STATUS

RRSE: Medium

CONTAMINANTS OF CONCERN:

Metals, Phenols

MEDIA OF CONCERN:

Groundwater

PHASES	Start	End
RFA.....	198010	198107
CS.....	198606	198707
RFI	198402	198708
DES	198909	199003
CMI(C).....	198910	199909
LTM	199910	202909

RC: 199909

CLEANUP STRATEGY

Continue cover maintenance and groundwater monitoring of 9 wells annually then every 5 years until 2029.

SITE DESCRIPTION

Gasoline Alley, located in the Cantonment area of Fort Drum, is two miles long, and consisted of diesel, leaded, and unleaded fuel dispensing stations at nine separate Areas: 1195, 1295, 1395, 1495, 1595, 1795, 1895, 1995 and 3805. Each area housed several large USTs (typically 25,000 gallons each) and associated piping. The major portion of the contamination is the result of pipes and USTs that leaked.

In 1994, 22 USTs were removed and ~6,000 cy of soil were thermally treated and disposed of off site. In 1995, all remaining components (pipelines, vaults, valve boxes and dispensing islands) associated with the 22 USTs were removed.

Early RI efforts focused on the 1595 Area. A plume reconnaissance was performed which showed free-product at 1395, 1595, 1795, 1895, 1995, and 3805 and dissolved product was found at all areas along Gasoline Alley with the exception of 1195. Soil and groundwater data indicated that Area 1195 had been minimally impacted by kerosene storage and dispensing activities. Low-level petroleum hydrocarbons did not appear to present a threat to groundwater and no further action is currently planned at Area 1195.

The study also showed that the plumes at Areas 1895, 1995, and 3805 have merged into one major plume that is contributing to the contamination at the Old Sanitary Landfill (FTD-007). The investigation also showed that the 1795 plume has migrated under the site that is known as the World War II Landfill.

Due to the complexity of the Gasoline Alley site, all related areas were combined as one project for study and planning purposes and to eliminate potential duplication of work. A Comprehensive Contaminant Assessment Report (CCAR) connecting these areas together was finalized in FY00.

The Phase I Risk Assessment completed in 2000, indicated that the ecological risk at Areas 1595 and 1795 is the primary risk at the site.

In FY02, this site was divided into FTD-030A-F (listed below) to facilitate funding, scheduling and remedial action for the six discrete contamination plumes along Gasoline Alley. Groundwater monitoring reports have indicated that the plumes along Gasoline Alley are stable. Fort Drum has a base wide contract for the operation of all remedial systems.

FTD-030 A = Area 1295

FTD-030 B = Area 1395

FTD-030 C = Area 1495

FTD-030 D = Area 1595

FTD-030 E = Area 1795 WWII Landfill

FTD-030 F = Area 3805

FTD-030 A GASOLINE ALLEY – AREA 1295

SITE DESCRIPTION

At Area 1295, gasoline and diesel fuel leakage has contaminated soil that is acting as a continued source for ground water contamination. A pilot system (excavation and Oxygen Release Compound [ORC]) was completed in FY00. The ORC was determined not to be effective. Groundwater monitoring is continuing for this area.

In FY05, a Focused Technical Selection Study was completed.

CLEANUP STRATEGY

Continue groundwater monitoring of 2 wells.

Implement the recommendations of the FTS. Assume in-situ treatment (chemical oxidation) of soil and groundwater followed by groundwater monitoring and completion of the closure report.

STATUS

RRSE: Medium

CONTAMINANTS OF CONCERN:
Degraded Fuels, BTEX, PAHs, Lead, Iron, Manganese

MEDIA OF CONCERN: Soil,
Groundwater

PHASES	Start	End
RFA.....	198010	198107
CS.....	198010	198107
RFI	199005	200510
DES	200511	200605
CMI(C).....	200605	200612
CMI(O)	200610	200809
LTM	200810	201109

RIP: 200612

RC: 200809

FTD-030 B

GASOLINE ALLEY – AREA 1395

SITE DESCRIPTION

At Area 1395, bioventing/SVE systems were installed in 1997. The SVE system was never operated. A pilot air sparging system was added in FY00. The remedial system operated until Feb 2004, at which time it was turned off because contamination levels were below NYS standards. It was restarted in Sep 2004, due to rebound in groundwater contaminant levels, and is currently in operation.

CLEANUP STRATEGY

Continue operation of remedial system until achievement of termination criteria has been attained (expected in FY07). MNA sampling for 2 years will follow with an additional 3 years of groundwater monitoring. The Closure report is expected to be completed in FY11.

STATUS

RRSE: Medium

CONTAMINANTS OF CONCERN:

Degraded Fuels, BTEX, PAHs, Lead, Iron, Manganese

MEDIA OF CONCERN: Soil,
Groundwater

PHASES	Start	End
RFA.....	198010	198107
CS.....	198010	198107
RFI	199005	200109
CMI(C).....	199704	200109
CMI(O)	199710	200809
LTM	200810	201109

RIP: 200109

RC: 200809

FTD-030 C GASOLINE ALLEY – AREA 1495

SITE DESCRIPTION

At Area 1495, bioventing/SVE systems were installed in 1997. The SVE system was never operated. A pilot air sparging system was added in FY00. The remedial system operated until Feb 2004, at which time it was turned off because contamination levels were below NYS standards. The groundwater contaminant levels rebounded above standards however not at high enough levels to warrant restarting the remedial system.

Currently in MNA.

CLEANUP STRATEGY

Continue MNA sampling for 2 years followed by an additional 3 years of semi-annual groundwater monitoring of 4 wells. The Closure report is expected to be completed in 2009 to include well abandonment.

STATUS

RRSE: Low

CONTAMINANTS OF CONCERN:
Degraded Fuels, BTEX, PAHs, Lead, Iron, Manganese

MEDIA OF CONCERN: Soil,
Groundwater

PHASES	Start	End
RFA.....	198010	198107
CS.....	198010	198107
RFI	199005	200109
CMI(C).....	199704	200109
CMI(O)	199710	200609
LTM	200610	200909

RIP: 200109

RC: 200609

FTD-030 D

GASOLINE ALLEY – AREA 1595

SITE DESCRIPTION

At Area 1595, a hole was discovered (1975) in a large UST used to fuel Army vehicles, and the tank was subsequently replaced. Contamination was discovered in a small pond and stream down-gradient. Contamination reaches ~ 300 ft downstream.

A PA was performed and an auto skimmer was installed at the pond in 1990 and operated until 1994. A SI found free product in wells. A free product recovery and contaminated water treatment facility was installed in February 1992. Upgrades to the treatment facility were completed in FY95 and FY97. During FY97, contaminated soil was excavated from the pond and two weirs were constructed for flow measurements.

In FY99, additional recovery wells were installed, subsurface lines were replaced and the treatment system was enhanced.

In FY00, the pump and treat system was upgraded (air stripper), a system evaluation was completed, and the groundwater model was updated. A chemical oxidation pilot study in FY02 indicated that this technology would not be effective.

Decision document was signed 2004.

The final CMS was submitted and approved by NYSDEC in April 2004. SVE/AAS was designed and constructed in FY05 to replace the pump and treat system.

CLEANUP STRATEGY

Continue to sample groundwater (8 wells), surface water, and creek sediments. Operate SVE/Bioventing for soil, aquifer air sparging (AAS) for the groundwater (constructed in FY05), natural attenuation, and limited excavation for the creek (~2000 yds of sediment). Semi-annual groundwater sampling is expected for 3 years with system removal and closure by 2017.

STATUS

RRSE: High

CONTAMINANTS OF CONCERN:

Degraded Fuels, BTEX, PAHs, Lead, Iron, Manganese

MEDIA OF CONCERN: Soil, Groundwater, Surface Water, Sediment

PHASES	Start	End
RFA.....	198010	198107
CS.....	198010	198107
RFI	199005	200505
DES	200405	200509
IRA.....	199310	199509
CMI(C).....	200506	200606
CMI(O)	200606	201409
LTM.....	201410	201709

RIP: 200606

RC: 201409

FTD-030 E

GASOLINE ALLEY – AREA 1795-WWII LANDFILL

SITE DESCRIPTION

Area 1795 was a fuel dispensing area that has released POL contamination. In addition, the WWII Landfill (formerly FTD-078, EPR FTDR-029) is a surface dump within Area 1795. The landfill is approximately 6.5 acres in size, heavily wooded, and was discovered in 1989. Debris is visible on the surface. The plume reconnaissance performed on Gasoline Alley in 1994 linked the two sites together. Sampling of debris indicated limited PCB contamination.

At Area 1795, a pump and treat pilot system was operated from FY96 to FY98 for groundwater depression and separate phase product recovery. This system was discontinued due to limited thickness of the free product layer. A pilot AAS was tested in FY98 and indicated that this technology would be appropriate as part of a final remedy. A pilot bioslurping system (free product recovery enhancement) was operated from FY98 to FY00. This system was discontinued due to the high water table.

A final CMS was submitted and approved in June 2004.

The design was funded in FY05.

CLEANUP STRATEGY

Continue to sample groundwater (19 wells), soil and stream. Install and operate remedial system (SVE/Bioventing), limited soil/debris removal (WWII Landfill), aquifer air sparging, and natural attenuation. Semi-annual groundwater sampling will continue.

STATUS

RRSE: High

CONTAMINANTS OF CONCERN:
Degraded Fuels, BTEX, PAHs, Lead, Iron, Manganese, PCBs

MEDIA OF CONCERN: Soil,
Groundwater, Surface Water, Sediment

PHASES	Start	End
RFA.....	198010	198107
CS.....	198010	198107
RFI	199005	200409
DES	200505	200605
CMI(C).....	200603	200705
CMI(O)	200610	201909
LTM.....	201910	202209

RIP: 200705

RC: 201909

FTD-030 F

GASOLINE ALLEY – AREA 3805

SITE DESCRIPTION

Area 3805 includes three former fuel storage and dispensing areas (1895, 1995, 3805) whose plumes have commingled. Impacted soil is approx. 850,000 cu. ft.; free-product plume is approx. 450,000 sq. ft.; the dissolved plume extends approx. 1,100 ft and exceeds 400 ft. in width. The plume extends under Old Sanitary Landfill (FTD-007) prior to discharge to the OSL creek. Since 1995, approx. 30,000 gals. of free-product have been removed. An updated groundwater model was completed in Sep 2000.

A combined CMS for Area 3805 and OSL was funded in FY00, and a Focused Technical Selection for the source area was completed in 2001. It recommended a multi-phase extraction system for the source area. The RD for the source area was completed in 2002, and construction of a multi-phase extraction and AAS system was completed in FY04.

In FY05, a combined CMS for Areas 3805/OSL was completed.

CLEANUP STRATEGY

Continue operation of multi-phase extraction and AAS system at source area. Continue to sample 15 wells. Construction of supplemental groundwater remediation (sparging) to be funded FY06. MPE/AAS systems expected to operate to 2021, followed by MNA to 2024 and LTM to 2027.

STATUS

RRSE: High

CONTAMINANTS OF CONCERN:
Degraded Fuels, BTEX, PAHs, Lead, Iron, Manganese

MEDIA OF CONCERN: Soil, Groundwater, Surface Water, Sediment

PHASES	Start	End
RFA.....	198010	198107
CS.....	198010	198107
RFI	199005	200509
DES	200106	200609
CMI(C).....	200209	200612
CMI(O)	200410	202409
LTM	202410	202709

RIP: 200612

RC: 202409

FTD-031 BUILDING T-91

SITE DESCRIPTION

Building T-91 was previously used as a vehicle maintenance facility and is located at the intersection of First Street West and Warehouse Road. It is currently being used as a wheeled vehicle maintenance shop. The facility discharged solvent and petroleum contaminated waste water directly onto the ground via a drain pipe. Several USTs and ASTs existed around the building. Free petroleum product was discovered in a monitoring well installed during a 1990 SI. The SI and follow on field work were completed during FY94. The wells have been periodically monitored, and free-product has not been observed at the site since the initial investigation. Limited dissolved phase fuel constituents remain above NYS ground water standards.

FTD-075, the DOL Maintenance Shop, was also located at Building T-91. FTD-075 requires no further action and any future actions at Building T-91 will be conducted under FTD-031.

CLEANUP STRATEGY

MNA will continue (sampling every 3 years) until closure performance standards are met, followed by closure report and well decommissioning

STATUS

RRSE: Medium

CONTAMINANTS OF CONCERN:

Petroleum

MEDIA OF CONCERN:

Soil, Groundwater

PHASES	Start	End
RFA.....	198010198107
CS.....	198010198107
RFI	199003199412
CMI(C).....	199412200609
CMI(O)	199412200609
LTM	200610200909

RC: 200609

FTD-088
BLDG T-4006 UST

SITE DESCRIPTION

FTD-088 is at Building T-4006. The USTs were removed in the early 1990 timeframe. During the tank removal , contamination was observed and the soil was excavated.

Monitoring required by NYSDEC indicated the presence of PCE in an up-gradient well. Two wells were monitored as part of T-4002 monitoring program.

In FY04, a Risk Assessment was conducted and determined no risk from this site.

CLEANUP STRATEGY

Final CS sampling at three monitoring wells followed by a closure report and well decommissioning (FY06).

STATUS

RRSE: Medium

CONTAMINANTS OF CONCERN:

PCE

MEDIA OF CONCERN:

Groundwater

PHASES	Start	End
RFA.....	199208	199208
CS.....	199208	199312
LTM	199312	200609

RC:199312

SITE DESCRIPTION

This project was initiated upon the discovery of extensive contamination from leaking USTs in the vicinity of former Building T-1245. Pools of petroleum product were observed in the excavations of one diesel tank and one MOGAS tank. These leaking tanks were removed in September 1992. The area is still used as a maintenance facility.

A SI was completed in 1994, showing groundwater and soil contamination exceeding NYSDEC standards. An IRA/Pilot study of air sparging/bioventing (UVB) to treat groundwater and soil began in 1995. The 1999 Pilot Study report determined the UVB technology was not effective based on a 1998 tracer study. The RI report was completed in April 2001, confirming the extent of the soil contamination (~1,350 cy) and a groundwater plume (~one acre). Natural degradation of groundwater contamination appears to be occurring.

Focused Technical Selection was completed in FY05 and recommended MNA.

CLEANUP STRATEGY

MNA with biennial sampling until FY10, followed by closure report and well decommissioning.

STATUS

RRSE: Medium

CONTAMINANTS OF CONCERN:

Diesel Fuel, MOGAS

MEDIA OF CONCERN:

Soil, Groundwater

PHASES	Start	End
RFA.....	199207	199408
CS	199309	199408
RFI	199310	200505
IRA	199506	199905
CMI(C)	199905	200505
CMI(O)	200505	201009
LTM.....	201010	201309

RC:201009

SITE DESCRIPTION

Building P-2140 is an active Army Air Force Exchange Service (AAFES) gas station. In 1993, five fuel storage USTs were removed and three USTs were installed as replacements in a different area of the site. Contamination from prior activities was observed during excavation.

A SI was completed in 1994 which showed the dissolved portion of the plume migrating toward the Installation boundary. A remedial action for free product recovery and groundwater treatment was initiated in FY95. Approximately 1,400 gallons of free product have been recovered (this system has since been replaced by a dual-phased extraction system in the source area). In FY99 and FY00, the plume was further delineated and additional wells were installed.

An air sparge (with ozone) pilot system was installed in Jan 2001. Sampling at the boundary detected BTEX and MTBE contamination. Currently two air sparging lines are installed in down-gradient sections of the plume to address dissolved phase contamination. The system is operating effectively.

In Jan 2002, the full scale Dual Phase Extraction (DPE) pilot was installed to address separate phase contamination in the source area. In FY05, an AAS was added in source area to augment the DPE.

The CMS was completed and approved by NYSDEC in April 2004.

CLEANUP STRATEGY

Continue with operation and maintenance of air sparge system and DPE to include surface and groundwater sampling (18 wells). Semi-annual sampling will continue until 2017 followed by well abandonment (80 wells).

STATUS

RRSE: High

CONTAMINANTS OF CONCERN:

BTEX, MTBE

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

PHASES	Start	End
RFA.....	199403	199409
CS.....	199403	199409
RFI	199403	200109
IRA.....	199506	200112
CMI(C).....	200109	200112
CMI(O)	200201	201409
LTM	201410	201709

RIP: 200201

RC:201409

FORT DRUM

INSTALLATION RESTORATION

PROGRAM

RESPONSE COMPLETE

SITES LISTING

RESPONSE COMPLETE SITES LISTING

The following sites currently require no further action under the ER,A program:

<i>Site</i>	<i>Description</i>	<i>RC Date</i>
FTD-001	Hazardous Waste Storage Bldg T-4819	198707
FTD-002	Defolient Test Site	198707
FTD-003	Sewage Treatment Plant	199410
FTD-004	New Wash Rack Facility	198707
FTD-005	Garbage Can Washout Facility	198707
FTD-006	Wash Rack Holding Ponds	198707
FTD-009	Field Dumps (SWMU FTD-09, 15, 16, 17, 19)	198707
FTD-010	Landfill (Oper 1978-80).....	198707
FTD-011	Landfill (1950 Location Unknown)	198707
FTD-012	Abandoned Landfill Near Deferiet	199705
FTD-013	Landfill Near Carthage City	198707
FTD-014	Closed Landfill (Near FTD-013).....	198707
FTD-020	Landfill Near Somerville.....	198707
FTD-022	EOD Disposal Site, Burn Pits (Range 17).....	199605
FTD-024	U.S. Air Force EOD Site (Range 35)	199605
FTD-025	Old Hosford Swimming Pool	199509
FTD-027	POL Sludge Burial Pit	198707
FTD-028	Fire Fighter Training Area.....	199110
FTD-032	POL Storage UST (2) Bldg T-93.....	198107
FTD-033	Waste POL Storage UST Bldg T-198	198107
FTD-072	New Jersey Ang Pond	199706
FTD-073	NYANG Maintenance Shop.....	198707
FTD-074	DOL Battery Shop Bldg P-44.....	199709
FTD-075	DOL Maintenance Shop	198707
FTD-076	Pesticide/Herbicide Storage Bldg T-4002	199707
FTD-077	Hazardous Waste Storage Site Bldg S-2005	199310
FTD-079	Infectious Waste Incinerator.....	198707
FTD-081	Spray Booth Bldg T-197	199303
FTD-082	DRMO Office (Yard)	198707
FTD-083	Paint Dump	199306
FTD-085	Old POL Drying Beds	199705
FTD-086	Old POL Storage Yard	199303
FTD-087	Sage Complex USTs.....	199707
FTD-090	Bldg T-2180 UST	199409
FTD-092	Bldg T-2195 UST	199506
FTD-093	Sage Complex Storm Sewer Outfall.....	199711
FTD-094	Former Pesticide Storage Bldg S2517.....	199707
FTD-110	Airfield Water Tower	199503
FTD-111	T-2161 Water Tower	199503
FTD-112	Training Site POL Contamination Near Range 17....	199909
FTD-113	Hazardous Waste Storage Bldg 11144	199612

PAST MILESTONES

1993

- IRA Gas Alley, 1595 GWT System
- RD T4002 Pesticide Facility

1994

- RI T4002 Pesticide Facility, completed

1995

- RFA DOL Battery Shop (Bldg. P-44), completed
- RI DOL Battery Shop (Bldg. P-44) initiated
- IRA Gas Alley Area 3805/1995 GWT/free product recovery initiated
- IRA Bldg 1245 UST, UVB installed
- IRA Old Sanitary Landfill fenced, completed
- RD SAGE Storm Sewer Outfall (SSO) completed
- RA SAGE Complex USTs removal

1996

- SI Ranges 17 and 35 EOD, completed
- IRA Old Sanitary Landfill vent upgrade, completed
- RA Bldg T-2140 UST, initiated GWT/free product recovery
- RA NJANG site remediation (soil) completed
- RI/RA DOL Battery Shop Bldg P44, site remediation completed
- RC FTD-092

1997

- PA/SI FTD-112, completed
- PA/SI FTD-012, -085, -094
- IRA Airfield Sanitary Landfill fenced, completed
- IRA Old Sanitary Landfill surface debris and drums removed, completed
- IRA Gasoline Alley (bioventing/SVE) completed Areas 1395 and 1495
- RA T-4002 completed
- RA SAGE SSO completed
- RC FTD-012, -085, -094
- RC DOL Battery Shop (Bldg. P-44) - wells removed
- RC FTD-087 and -093

1998

- IRA ASL, Cover Improvements completes

1999

- IRA Erosion control completed at OSL
- IRA Soil removed from Range 17 POL Spill
- RA(O) Well cleaning and purging at 2140
- RC FTD-076 (T-4002) was merged with FTD-088 (T-4006)

2000

- LTM T-4006 installed monitoring wells & sampled
- RI/FS 1595 updated groundwater model
- RI/FS 2140 installed monitoring wells & sampled, AAS/DPE pilot study
- IRA 1295 ORC pilot application
- IRA 1395-1495 AAS upgrades
- RI/FS OSL Data gap study

2001

- RI/FS Data gap study at OSL, pilot phytoremediation project
- RI/FS 2140 full-scale dual phase extraction pilot study
- RI/FS Ranges 17-35 withdraw Sub-Part X Permit application
- RD 3805 Phase I source control

2002

- RA FTD-030F 3805 Source Area multi-phase extraction system construction (Phase I)
- RI/FS FTD-030D 1595 Area Chemical oxidation pilot
- RI/FS FTD-007 cap repair

2003

- RA FTD-030F 3805 Source Area multi-phase extraction system construction (Phase II)
- LTM FTD-022 Wells decommissioned - Response Complete
- LTM FTD-024 Wells decommissioned - Response Complete
- LTM FTD-072 Wells decommissioned - Closure Report

2004

- RA FTD-030F 3805 Source Area multi-phase extraction system construction (Phase III)

2005

- RD/RA FTD-030D 1595 SVE/biovent/AAS system construction
- RI/FS FTD-030A Focused Technical Selection completed
- RD FTD-030E design for SVE/biovent/AAS/excavation completed
- RI/FS FTD-089 Focused Technical Selection completed
- RI/FS FTD-007 Final CMS completed

PROJECTED MILESTONES

2006

- RD FTD-007 Old Sanitary Landfill phytoremediation, cap repair
- RD/RA FTD-030A Area 1295 chemical oxidation
- RA FTD-030E Area 1795 SVE/AAS, excavation
- RA FTD-030F Area 3805 AAS extension

2007

- RA FTD-007 Old Sanitary Landfill phytoremediation, cap repair

ROD/DD Approval Dates: Consent Order all sites by September 2006

Construction Completion: 2007

Completion Date of all RA(O) Activities: 2024

Completion Date of IRP (including LTM phase): 2030

Fort Drum IRP Schedule

(based on Cost to Complete)

CURRENT PHASE				FUTURE PHASE									
AEDBR	Site Name	RRSE	Phase	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
FTD-007	Old Sanitary Landfill	High	RFI/CMS										
			DES										
			CMI(C)										
			LTM										203009
FTD-008	Airfield Sanitary Landfill	Med	LTM										202910
FTD-030A	Gasoline Alley 1295 Area	Med	RFI/CMS										
			DES										
			CMI(C)										
			CMI(O)										
			LTM										
FTD-030B	Gasoline Alley 1395 Area	Med	CMI(O)										
			LTM										
FTD-030C	Gasoline Alley 1495 Area	Low	CMI(O)										
			LTM										
FTD-030D	Gasoline Alley 1595 Area	High	CMI(O)										
			LTM										201709
FTD-030E	Gasoline Alley 1795 Area	High	DES										
			CMI(C)										
			CMI(O)										201909
			LTM										202209
FTD-030F	Gasoline Alley 3805 Area	High	DES										
			CMI(C)										
			CMI(O)										202409
			LTM										202709
FTD-031	Building T-91	Med	CMI(O)										
			LTM										
FTD-088	Bldg T-4006 UST	Med	LTM										
FTD-089	Bldg 1245 UST	Med	CMI(O)										
			LTM										
FTD-091	Bldg P-2140 USTs	High	CMI(O)										
			LTM										201709

PRIOR YEAR FUNDING

<i>Year</i>	<i>Site Information</i>	<i>Expenditures</i>	<i>FY Total</i>
FY88	RI/FS 1595 Fuel (DERF----I)	\$280,000	\$280,000
FY89	RI/FS 1595 Fuel (DERF----I)	\$22,000	
	RI/FS Building 2005 (DERF----II)	\$161,000	
	RI/FS EOD (DERF----IV)	\$238,000	
	RI/FS Old Sanitary Landfill (DERF----III)	\$280,000	
	RI WWII Landfill (FTDR-00029)	\$270,000	
	RI/FI Gasoline Alley (DERF----I)	\$518,000	
	RI Building T-91 (FTDR-00025)	\$73,000	
	RI Building T-4002 (FTDR-013)	\$62,000	
	RI/FS New Jersey NG (FTDR-00024)	\$333,000	
	Closure Plan Airfield Sanitary Landfill (FTDR89F022)	\$33,000	\$1,990,000
FY90	RI/FS 1595 Fuel (DERF----I)	\$27,000	
	RI/FS Building 2005 (DERF----II)	\$10,000	
	FS EOD (DERF----IV)	\$16,000	
	RI/FS Old Sanitary Landfill (DERF----III)	\$18,000	
	CS WWII Landfill (FTDR-00029)	\$20,000	
	RI/FS Gasoline Alley (FTDR-00030)	\$162,000	
	RI/FS Building T-91 (FTDR-00025)	\$10,000	
	RI/FS Building T-4002 (FTDR-013)	\$7,000	
	RI/FS New Jersey NG (FTDR-00024)	\$22,000	
	RI/FS Paint Dump Site (FTDR-00018)	\$8,000	
	RI/FS Old Fire Training (FTDR-00019)	\$128,000	
	Closure Plan Airfield Sanitary Landfill (FTDR89F022)	\$10,000	\$438,000
FY91	RD, IRA (Phase I) 1595 Fuel (DERF----I)	\$539,000	
	FS Building 2005 (DERF----II)	\$10,000	
	FS EOD (DERF----IV)	\$28,000	
	FS, RD Old Sanitary Landfill (DERF----III)	\$11,000	
	RI WWII Landfill (FTDR-00029)	\$13,000	
	RI Gasoline Alley (FTDR-00030)	\$437,000	
	RI Building T-91 (FTDR-00025)	\$298,000	
	RD Building T-4002 (FTDR-013)	\$22,000	
	RI New Jersey NG (FTDR-00024)	\$12,000	
	RI Paint Dump Site (FTDR-00018)	\$15,000	
	RI Old Fire Training (FTDR-00019)	\$10,000	
	SI Sludge Drying Bed (FTDR910004)	\$100,000	
	Closure Plan Airfield Sanitary Landfill (FTDR89F022)	\$134,000	\$1,629,000

<i>Year</i>	<i>Site Information</i>	<i>Expenditures</i>	<i>FY Total</i>
FY92	RD-MOD, IRA-Phase II 1595 Fuel (DERF----I)	\$1,135,000	
	RD, RA Building 2005 (DERF----II)	\$225,000	
	RD EOD (DERF----IV)	\$29,000	
	RD Monitoring Old Sanitary Landfill (DERF----III)	\$340,000	
	RD Gasoline Alley (FTDR-00030)	\$50,000	
	RI Building T-91 (FTDR-00025)	\$33,000	
	RD Building T-4002 (FTDR-013)	\$145,000	
	FS NJANG (FTDR-00024)	\$86,000	
	RI Paint Dump (FTDR-00018)	\$175,000	
	Closure Plan, RD Airfield Sanitary Landfill (FTDR89F022)	\$139,000	
	SI Sludge Drying Bed (FTDR910004)	\$88,000	
	RD, RFI, REM SAGE Facility (FTDR89F027)	\$631,000	\$3,076,000
FY93	IRA OPS & Pump Test 1595 Fuel (DERF----I)	\$225,000	
	RA MOD Building 2005 (DERF----II)	\$115,000	
	ICMS/D & Monitoring Old Sanitary Landfill (DERF-III)	\$354,000	
	RFI, RD, RA, & IRA Gasoline Alley (FTDR-00030)	\$3,157,000	
	RFI Building T-91 (FTDR-00025)	\$440,000	
	RD Building T-4002 (FTDR-013)	\$196,000	
	CMS NJANG (FTDR-00024)	\$30,000	
	RI Paint Dump (FTDR-00018)	\$29,000	
	REM, RFI, RD SAGE Facility (FTDR89F027)	\$360,000	
	SI DOL Battery Shop P-44 (FTDR910029)	\$110,000	
	RD Sludge Drying Beds (FTDR910004)	\$76,000	
	RFI Old Hosford Swimming Pool (FTDR910018)	\$125,000	
	SI T-2180 UST (FTDR930020)	\$195,000	
	SI T-1245 UST (FTDR920045)	\$270,000	\$5,682,000
FY94	Closure Plan Building 2005 (DERF----II)	\$30,000	
	RFI EOD (DERF----IV)	\$879,000	
	ICMD, ICMI Old Sanitary Landfill (DERF----III)	\$3,152,000	
	RFI, REM Gasoline Alley (FTDR-00030)	\$5,579,000	
	CMS Building T-91 (FTDR-00025)	\$90,000	
	CMD, CMI Building T-4002 (FTDR-013)	\$1,390,000	
	CMD NJANG (FTDR-00024)	\$956,000	
	Monitoring, CMD Airfield Sanitary Landfill (FTDR89F022)	\$85,000	
	RFI, RD SAGE Facility (FTDR89F027)	\$30,000	
	SI DOL Battery Shop P-44 (FTDR910029)	\$145,000	
	RA Sludge Drying Beds (FTDR910004)	\$532,000	
	RFI/SA Old Hosford Swimming Pool (FTDR910018)	\$20,000	
	LTM T-4006 (FTDR920017)	\$32,000	
	RD T-1245 (FTDR920045)	\$30,000	
	SI, RD T-2140 (FTDR940008)	\$474,000	
	RD T-2180 (FTDR930020)	\$195,000	
	Installation Proj. Supp. (FTDR940018)	\$40,000	\$13,659,000

<i>Year</i>	<i>Site Information</i>	<i>Expenditures</i>	<i>FY Total</i>
FY95	RA, RI/FS Old Sanitary Landfill (DERF----III)	\$478,000	
	SI T-2195 (FTDR-950045)	\$86,000	
	RA Sludge Drying Bed (FTDR-910004)	\$89,000	
	IRA, RA, SA T-4002 (FTDR--013)	\$143,000	
	IRA, RA, RI, RD Gasoline Alley (FTDR-00030)	\$2,849,000	
	LTM T-4006 (FTDR-920017)	\$10,000	
	RI EOD Range #35 (DERF----IV)	\$70,000	
	IRA, RA T-2140 (FTDR-94008)	\$403,000	
	LTM, RA T-91 (FTDR-00025)	\$66,000	
	RI Old Hosford Swimming Pool (FTDR-910018)	\$10,000	
	RI, RD P-44 (FTDR-910029)	\$129,000	
	RA, LTM NJANG (FTDR-00024)	\$148,000	
	RI, RD, RA SAGE Complex USTs (FTDR-89f028)	\$995,000	
	RI, RD SAGE Complex SSO (FTDR-950006)	\$528,000	
	RA T-1245 (FTDR920045)	\$341,000	
	Installation Proj. Supp.	\$70,000	\$6,415,000
FY96	RA, RI SAGE Complex USTs (FTDR89F028)	\$735,000	
	RD, RA SAGE Complex SSO (FTDR950006)	\$53,000	
	RA, IRA T-2140 (FTDR940008)	\$270,000	
	LTM, RD, RA Old Sanitary Landfill (DERF---III)	\$313,000	
	RAOP, RA, RI, RD, LTM, IRA Gasoline Alley (FTDR-00030)	\$3,120,000	
	LTM EOD Ranges 35&17 (DERF---IV, FTDR-950005)	\$167,000	
	LTM T-91 (FTDR-00025)	\$7,000	
	LTM Old Hosford Swimming Pool (FTDR-910018)	\$3,000	
	IRA T-4002 (FTDR-013)	\$2,446,000	
	LTM, RA NJANG (FTDR-00024)	\$26,000	
	RI, RD P-44 (FTDR-910029)	\$21,000	
	Installation Project Support	\$1,000	
	RI/FS AMSA #9 Junkyard-Mattydale	\$307,000	
	RA 1245 UST (FTDR920045)	\$33,000	
	SI Abandoned Landfill Near Deferiet (FTDR960013)	\$3,000	
	SI Old POL Drying Beds (FTDR960012)	\$3,000	
	SI Pesticide Storage S-2517 (FTDR960014)	\$3,000	
	SI Training Site POL Contamination Near Range 17	\$3,000	\$7,514,000
FY97	PY RA/SA FTD-007 (DERF III), Old Sanitary Landfill	\$2,000	
	RI/FS FTD-007 (DERF III), Old Sanitary Landfill	\$6,551	
	PY RA/SA FTD-007 (DERF III), Old Sanitary Landfill	\$16,000	
	PY M/SR FTD-007 (DERF III), Old Sanitary Landfill	\$40,000	
	LTM FTD-008 (FTDR950014), Airfield Sanitary Landfill	\$48,847	
	PY M/SR FTD-024 (DERF IV), EOD Range 35	\$4,000	
	PY RA/SA FTD-030 (FTDR00030), Gasoline Alley	\$2,000	
	PY RA/SA FTD-030 (FTDR00030), Gasoline Alley	\$4,726	

<i>Year</i>	<i>Site Information</i>	<i>Expenditures</i>	<i>FY Total</i>
FY97	PY RA/SA FTD-030 (FTDR00030), Gasoline Alley	\$5,047	
(cont)	PY RI/SR FTD-030 (FTDR00030), Gasoline Alley	\$43,000	
	PY M/SR FTD-030 (FTDR00030), Gasoline Alley	\$44,000	
	PY RA/SA FTD-030 (FTDR00030), Gasoline Alley	\$100,000	
	LTO FTD-030 (FTDR00030), Gasoline Alley	\$276,006	
	RI/FS FTD-030 (FTDR00030), Gasoline Alley	\$1,164,163	
	PY M/SR FTD-031 (FTDR00025), Bldg T-91	\$3,004	
	PY RA/SA FTD-072 (FTDR00024), NJANG Pond	\$19,365	
	LTM FTD-072 (FTDR00024), NJANG Pond	\$33,183	
	IRA FTD-072 (FTDR00024), NJANG Pond	\$197,965	
	PY M/SR FTD-074 (FTDR910029), P-44 Battery Shop	\$5,000	
	PY RA/SA FTD-076 (FTDR013), T-4002 Pesticide Bldg.	\$2,000	
	PY M/SR FTD-076 (FTDR013), T-4002 Pesticide Bldg.	\$4,000	
	LTM FTD-076 (FTDR013), T-4002 Pesticide Bldg.	\$46,620	
	PY RA/SA FTD-076 (FTDR013), T-4002 Pesticide Bldg.	\$197,512	
	PY RA/SA FTD-087 (FTDR89F028), SAGE USTs	\$2,000	
	PY M/SR FTD-087 (FTDR89F028), SAGE USTs	\$4,500	
	PY M/SR FTD-089 (FTDR920045), T-1245 USTs	\$10,000	
	LTO FTD-089 (FTDR920045), T-1245 USTs	\$22,841	
	PY RI/SR FTD-091 (FTDR940008), P-2140 USTs	\$6,000	
	LTO FTD-091 (FTDR940008), P-2140 USTs	\$242,160	
	PY RA/SA FTD-093 (FTDR950006), SAGE SSO Outfall	\$21,086	
	RA FTD-093 (FTDR950006), SAGE SSO Outfall	\$44,183	\$2,617,759
FY98	RD FTD-007 Old Sanitary Landfill	\$7,200	
	RI/FS FTD-007 Old Sanitary Landfill	\$240,000	
	LTM FTD-008 Airfield Sanitary Landfill	\$5,000	
	RA FTD-008 Airfield Sanitary Landfill	\$1,009,548	
	LTM FTD-022 EOD Disposal Site, Burn Pits (Range 17)	\$51,816	
	LTM FTD-024 U.S. Air Force EOD Site (Range 35)	\$51,817	
	IRA FTD-030 Gasoline Alley	\$50,000	
	LTM FTD-030 Gasoline Alley	\$281,400	
	LTO FTD-030 Gasoline Alley	\$310,542	
	RI/FS FTD-030 Gasoline Alley	\$428,376	
	LTM FTD-031 Building T-91	\$3,100	
	LTM FTD-072 New Jersey ANG Pond	\$775	
	RI/FS FTD-074 DOL Battery Shop (Bldg P-44)	\$3,326	
	LTM FTD-076 Pesticide/ Herbicide Storage Bldg T-4002	\$1,450	
	LTO FTD-089 T-1245 USTs	\$7,650	
	LTO FTD-091 P-2140 USTs	\$15,000	
	IRA FTD-112 Training Site POL Contam. near Range 17	\$133,000	\$2,600,000

<i>Year</i>	<i>Site Information</i>	<i>Expenditures</i>	<i>FY Total</i>
FY99	RI/FS FTD-007, Old Sanitary Landfill	\$20,000	
	LTM FTD-008, Airfield Sanitary Landfill	\$32,612	
	LTM FTD-022, EOD Disposal Site, Burn Pits (Range 17)	\$72,006.5	
	LTM FTD-024, U.S. Air Force EOD Site (Range 35)	\$68,891.5	
	RI/FS FTD-030, Gasoline Alley	\$630,383	
	IRA FTD-030, Gasoline Alley	\$37,324	
	RD FTD-030, Gasoline Alley	\$48,595	
	RA(O) FTD-030, Gasoline Alley	\$881,776	
	LTM FTD-030, Gasoline Alley	\$629,782	
	LTM FTD-031, Building T-91	\$3,100	
	RI/FS FTD-089, T-1245 USTs	\$76,857	
	RI/FS FTD-091, P-2140 USTs	\$70,347	
	RA(O) FTD-091, P-2140 USTs	\$17,453.6	\$2,589,127.60
FY00	RI/FS FTD-007 Old Sanitary Landfill	\$411,686	
	LTM FTD-008 Airfield Sanitary Landfill	\$41,149	
	LTM FTD-022 EOD Disposal Site	\$3,000	
	LTM FTD-024 USAF EOD Site	\$3,000	
	RI/FS FTD-030 Gasoline Alley	\$543,880	
	IRA FTD-030 Gasoline Alley	\$233,842.3	
	RD FTD-030 Gasoline Alley	\$10,000	
	RA(O) FTD-030 Gasoline Alley	\$72,699.7	
	LTM FTD-030 Gasoline Alley	\$235,259	
	LTM FTD-031 Building T-91	\$3,000	
	LTM FTD-088 UST Contamination at T-4006	\$10,000	
	RI/FS FTD-089 Bldg 1245	\$6,000	
	RI/FS FTD-091 Bldg P-2140 USTs	\$697,484	
	LTM FTD-112 Training Site POL Contamination	\$1,000	\$2,272,000
FY01	RI/FS FTD-007 Old Sanitary Landfill	\$200,000	
	LTM FTD-008 Airfield Sanitary Landfill	\$37,000	
	LTM FTD-022 EOD Disposal Site	\$6,000	
	LTM FTD-024 USAF EOD Site	\$6,000	
	RI/FS FTD-030 Gasoline Alley	\$299,000	
	RD FTD-030 Gasoline Alley	\$163,000	
	RA(O) FTD-030 Gasoline Alley	\$16,000	
	RI/FS FTD-091 Bldg P-2140 USTs	\$642,000	\$1,369,000
FY02	RI/FS FTD-007 Old Sanitary Landfill	\$240,000	
	LTM FTD-008 Airfield Sanitary Landfill	\$37,000	
	LTM FTD-022 EOD Disposal Site	\$50,000	
	LTM FTD-024 USAF EOD Site	\$50,000	
	LTM FTD-030A Gasoline Alley Area 1295	\$7,000	
	RA(O) FTD-030B Gasoline Alley Area 1395	\$31,000	

<i>Year</i>	<i>Site Information</i>	<i>Expenditures</i>	<i>FY Total</i>
FY02	RA(O) FTD-030C Gasoline Alley Area 1495	\$37,000	
(cont)	RI/FS FTD-030D Gasoline Alley Area 1595	\$273,499	
	RI/FS FTD-030E Gasoline Alley Area 1795	\$17,000	
	RI/FS FTD-030F Gasoline Alley Area 3805	\$535,500	
	RD FTD-030F Gasoline Alley Area 3805	\$92,409	
	RA FTD-030F Gasoline Alley Area 3805	\$1,949,002	
	RI/FS FTD-089 Bldg 1245	\$30,000	
	RA(O) FTD-091 Bldg P-2140 USTs	\$199,590	\$3,549,000
FY03	RI/FS FTD-007 Old Sanitary Landfill	\$90,000	
	LTM FTD-008 Airfield Sanitary Landfill	\$37,000	
	LTM FTD-030A Gasoline Alley 1295 Area	\$7,000	
	RA(O) FTD-030B Gasoline Alley 1395 Area	\$30,000	
	RA(O) FTD-030C Gasoline Alley 1495 Area	\$43,000	
	RI/FS FTD-030D Gasoline Alley 1595 Area	\$153,461	
	RI/FS FTD-030E Gasoline Alley 1795 Area	\$63,000	
	RI/FS FTD-030F Gasoline Alley 3805 Area	\$294,397	
	RD FTD-030F Gasoline Alley 3805 Area	\$36,978	
	RA-source FTD-030F Gasoline Alley 3805 Area	\$2,268,000	
	LTM FTD-031 Building T-91	\$5,000	
	LTM FTD-072 New Jersey ANG Pond	\$32,883	
	LTM FTD-088 UST Contamination at T-4006	\$6,000	
	RA(O) FTD-091 Bldg P-2140 USTs	\$160,000	\$3,226,719
FY04	RI/FS FTD-007 Old Sanitary Landfill	\$151,686	
	LTM FTD-008 Airfield Sanitary Landfill	\$38,207	
	RI/FS FTD-030A Gasoline Alley Area 1295	\$5,850	
	RA(O) FTD-030B Gasoline Alley Area 1395	\$47,560	
	RA(O) FTD-030C Gasoline Alley Area 1495	\$53,373	
	RI/FS FTD-030D Gasoline Alley Area 1595	\$130,755	
	RI/FS FTD-030E Gasoline Alley Area 1795	\$77,730	
	RI/FS FTD-030F Gasoline Alley Area 3805	\$149,180	
	RD FTD-030F Gasoline Alley Area 3805	\$34,205	
	RA FTD-030F Gasoline Alley Area 3805	\$2,425,240	
	RA(O) FTD-091 Building P-2140 USTs	\$191,450	
	LTM FTD-112 Training Site POL Near Range 17	\$9,350	\$3,314,586

TOTAL FUNDING 1988-2004: \$62,221,191.60

CURRENT YEAR FUNDING

FY05 (Planned)

FTD-007	RI	\$130,000
FTD-008	LTM	\$34,000
FTD-030A	RI	\$35,000
FTD-030B	LTM	\$18,000
FTD-030C	LTM	\$24,000
FTD-030D	RI	\$43,000
FTD-030D	RD	\$26,000
FTD-030D	RA	\$1,249,000
FTD-030D	RA(O)	\$55,000
FTD-030E	RD	\$106,000
FTD-030F	RI	\$42,000
FTD-030F	RA(O)	\$545,000
FTD-089	RI	\$45,000
FTD-089	RD	\$23,000
FTD-089	RA	\$375,000
FTD-091	RA(O)	\$269,000

TOTAL \$3,019,000

FUTURE YEAR FUNDING

TOTAL FUTURE REQUIREMENTS: \$22,135,000

TOTAL IRP PROGRAM COSTS: \$ 87,375,191.60

Community Involvement

Fort Drum has developed a basewide Public Involvement and Response Plan (PIRP) in accordance with guidance set forth by the U.S. Army (*Commander's Guide to Public Involvement in the Army's Installation Restoration Program*, November 1990, and *Restoration Advisory Board Implementation Guidelines*, September 1994). Interviews with local elected officials, agency personnel, and local residents were conducted to determine interest in establishing a Restoration Advisory Board (RAB). It was determined that a RAB was not needed due to lack of community interest.

Fort Drum will continue to monitor the public's interest.